



December 21, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: FORMER CIRCLE K STORE 01106
1693 CENTRAL AVENUE
MCKINLEYVILLE, CALIFORNIA
LOP # 12698

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2005

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for Former Circle K Store 01106, located at 1693 Central Avenue, McKinleyville, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

CC: Thomas Potter, SECOR International, Inc. (2 copies)

Enclosures
20-0400/01106R09.QMS





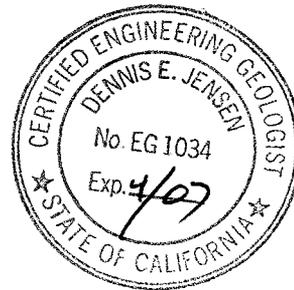
**QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2005**

FORMER CIRCLE K STORE 01106
1693 Central Avenue
McKinleyville, California
LOP # 12698

Prepared For:

Mr. Thomas H. Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations
December 12, 2005



LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results Table 3b: Additional Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time MTBE Concentrations vs. Time
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

**Summary of Gauging and Sampling Activities
October 2005 through December 2005
Former Circle K Store 01106
1693 Central Avenue
McKinleyville, CA**

Project Coordinator: **Thomas H. Kosel**
Telephone: **916-558-7666**

Water Sampling Contractor: **TRC**
Compiled by: **Jeremiah Hurn**

Date(s) of Gauging/Sampling Event: **11/02/05**

Sample Points

Groundwater wells: **5** onsite, **4** offsite Wells gauged: **8** Wells sampled: **6**
Purging method: **Diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **9.04 feet** Maximum: **13.5 feet**
Average groundwater elevation (relative to available local datum): **139.18 feet**
Average change in groundwater elevation since previous event: **-2.30 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.02 ft/ft, northwest**
 Previous event: **0.02 ft/ft, northwest (08/02/05)**

Selected Laboratory Results

Wells with detected **Benzene**: **1** Wells above MCL (1.0 µg/l): **1**
 Maximum reported benzene concentration: **8.3 µg/l (MW-2, MW-2)**

Wells with **TPH-G** **1** Maximum: **920 µg/l (MW-2)**
Wells with **MTBE** **4** Maximum: **660 µg/l (MW-2)**

Notes:

MW-4=Sampled semi-annually, MW-6=Covered with asphalt, MW-8=Sampled semi-annually,

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$, where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

REFERENCE

TRC began groundwater monitoring and sampling for Circle K Store 01106 in October 2003. Historical data compiled prior to that time was provided by Gettler-Ryan, Inc.

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 2, 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1														
11/2/2005	149.55	10.69	0.00	138.86	-2.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-2														
11/2/2005	150.14	11.06	0.00	139.08	-3.12	920	--	8.3	ND<2.5	ND<2.5	ND<2.5	--	660	
MW-3														
11/2/2005	150.54	9.69	0.00	140.85	-2.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	9.7	
MW-4														
11/2/2005	150.66	9.04	0.00	141.62	-1.99	--	--	--	--	--	--	--	--	Sampled semi-annually
MW-5														
11/2/2005	150.16	11.10	0.00	139.06	-3.21	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-6														
11/2/2005	150.45	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
MW-7														
11/2/2005	149.62	10.79	0.00	138.83	-1.90	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.3	
MW-8														
11/2/2005	150.49	13.50	0.00	136.99	-1.01	--	--	--	--	--	--	--	--	Sampled semi-annually
MW-9														
11/2/2005	149.97	11.84	0.00	138.13	-1.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.1	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1														
2/16/2000	149.55	4.68	0.00	144.87	--	ND	--	ND	ND	ND	ND	290	190	
6/29/2000	149.55	7.22	0.00	142.33	-2.54	ND	--	6.4	ND	ND	ND	150	220	
9/18/2000	149.55	9.60	0.00	139.95	-2.38	ND	--	ND	ND	ND	ND	120	96	
12/14/2000	149.55	9.22	0.00	140.33	0.38	ND	--	3	ND	ND	ND	72	66	
3/7/2001	149.55	6.61	0.00	142.94	2.61	ND	--	ND	ND	ND	ND	82.4	67	
6/5/2001	149.55	9.18	0.00	140.37	-2.57	ND	--	ND	ND	ND	ND	7.6	3.3	
9/11/2001	149.55	12.18	0.00	137.37	-3.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	69	
12/11/2001	149.55	6.44	0.00	143.11	5.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	41	48	
3/12/2002	149.55	4.45	0.00	145.10	1.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	5.1	
6/17/2002	149.55	7.48	0.00	142.07	-3.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
9/10/2002	149.55	10.98	0.00	138.57	-3.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.6	
12/10/2002	149.55	12.78	0.00	136.77	-1.80	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
3/11/2003	149.55	4.76	0.00	144.79	8.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
6/10/2003	149.55	5.77	0.00	143.78	-1.01	ND<50	--	0.55	0.58	ND<0.50	ND<0.50	6.4	ND<2.0	
9/10/2003	149.55	9.53	0.00	140.02	-3.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/9/2003	149.55	7.37	0.00	142.18	2.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
3/17/2004	149.55	4.60	0.00	144.95	2.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	4.9	
6/2/2004	149.55	5.74	0.00	143.81	-1.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	2.0	
8/3/2004	149.55	8.16	0.00	141.39	-2.42	ND<50	--	ND<0.3	0.54	0.47	1.6	1.3	ND<0.5	
11/9/2004	149.55	8.48	0.00	141.07	-0.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
2/1/2005	149.55	6.10	0.00	143.45	2.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
5/4/2005	149.55	6.29	0.00	143.26	-0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
8/2/2005	149.55	8.27	0.00	141.28	-1.98	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/2/2005	149.55	10.69	0.00	138.86	-2.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

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February 2000 Through November 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2														
2/16/2000	150.14	5.32	0.00	144.82	--	6000	--	1500	32	98	2500	22000	19000	
6/29/2000	150.14	8.63	0.00	141.51	-3.31	3100	--	1200	350	26	760	3900	5200	
9/18/2000	150.14	10.66	0.00	139.48	-2.03	900	--	460	2.6	ND	14	4000	3100	
12/14/2000	150.14	11.25	0.00	138.89	-0.59	730	--	270	ND	ND	ND	3400	3500	
3/7/2001	150.14	7.44	0.00	142.70	3.81	6040	--	637	116	87.2	439	7610	8700	
6/5/2001	150.14	10.04	0.00	140.10	-2.60	2700	--	140	74	ND	37	8700	7500	
9/11/2001	150.14	13.52	0.00	136.62	-3.48	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1900	2400	
12/11/2001	150.14	6.50	0.00	143.64	7.02	640	--	310	18	15	35	6800	4900	
3/12/2002	150.14	3.13	0.00	147.01	3.37	240	--	48	1.1	ND<0.50	6.2	480	560	
6/17/2002	150.14	8.62	0.00	141.52	-5.49	970	--	390	140	5.8	180	1800	2400	
9/10/2002	150.14	12.45	0.00	137.69	-3.83	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	2000	
12/10/2002	150.14	13.93	0.00	136.21	-1.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	21	
3/11/2003	150.14	3.84	0.00	146.30	10.09	ND<50	--	3.2	0.85	ND<0.50	2.7	19	6.5	
6/10/2003	150.14	5.95	0.00	144.19	-2.11	1200	--	310	84	25	180	1100	500	
9/10/2003	150.14	9.92	0.00	140.22	-3.97	--	1300	260	17	18	34	--	1900	
12/10/2003	150.14	7.38	0.00	142.76	2.54	2000	--	110	ND<13	ND<13	ND<13	1200	1700	
3/17/2004	150.14	3.28	0.00	146.86	4.10	120	--	6.5	ND<0.50	ND<0.50	ND<0.50	150	150	
6/2/2004	150.14	6.36	0.00	143.78	-3.08	430	--	20	7.9	ND<2.5	10	370	380	
8/3/2004	150.14	8.83	0.00	141.31	-2.47	160	--	0.34	0.50	ND<0.3	0.66	160	210	
11/9/2004	150.14	9.85	0.00	140.29	-1.02	86	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	130	
2/1/2005	150.14	4.30	0.00	145.84	5.55	990	--	180	58	17	70	--	200	
5/4/2005	150.14	5.80	0.00	144.34	-1.50	110	--	27	6.5	0.65	7.7	--	26	
8/2/2005	150.14	7.94	0.00	142.20	-2.14	6000	--	1200	840	160	780	--	1200	
11/2/2005	150.14	11.06	0.00	139.08	-3.12	920	--	8.3	ND<2.5	ND<2.5	ND<2.5	--	660	

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February 2000 Through November 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3														
2/16/2000	150.54	4.83	0.00	145.71	--	ND	--	ND	ND	ND	ND	5.2	3.1	
6/29/2000	150.54	7.83	0.00	142.71	-3.00	ND	--	ND	ND	ND	ND	7.9	7.1	
9/18/2000	150.54	10.73	0.00	139.81	-2.90	ND	--	ND	ND	ND	ND	65	37	
12/14/2000	150.54	10.30	0.00	140.24	0.43	ND	--	5	ND	ND	ND	89	78	
3/7/2001	150.54	6.55	0.00	143.99	3.75	ND	--	ND	ND	ND	ND	14.7	29	
6/5/2001	150.54	9.38	0.00	141.16	-2.83	ND	--	ND	ND	ND	ND	10	15	
9/11/2001	150.54	13.08	0.00	137.46	-3.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	33	75	
12/11/2001	150.54	4.66	0.00	145.88	8.42	ND<50	--	0.67	ND<0.50	ND<0.50	ND<0.50	120	110	
3/12/2002	150.54	2.39	0.00	148.15	2.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	18	
6/17/2002	150.54	7.61	0.00	142.93	-5.22	ND<50	--	0.50	ND<0.50	ND<0.50	ND<0.50	32	21	
9/10/2002	150.54	11.90	0.00	138.64	-4.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	53	70	
12/10/2002	150.54	12.74	0.00	137.80	-0.84	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.6	6.5	
3/11/2003	150.54	3.74	0.00	146.80	9.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
6/10/2003	150.54	5.35	0.00	145.19	-1.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
9/10/2003	150.54	9.67	0.00	140.87	-4.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	13	
12/9/2003	150.54	6.91	0.00	143.63	2.76	64	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	62	77	
3/17/2004	150.54	3.00	0.00	147.54	3.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
6/2/2004	150.54	5.72	0.00	144.82	-2.72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.7	7.7	
8/3/2004	150.54	3.19	0.00	147.35	2.53	81	--	ND<0.3	ND<0.3	0.37	0.83	8.6	13	
11/9/2004	150.54	8.22	0.00	142.32	-5.03	52	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	41	
2/1/2005	150.54	6.27	0.00	144.27	1.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
5/4/2005	150.54	4.02	0.00	146.52	2.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
8/2/2005	150.54	6.92	0.00	143.62	-2.90	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/2/2005	150.54	9.69	0.00	140.85	-2.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	9.7	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4														
2/16/2000	150.66	4.24	0.00	146.42	--	ND	--	ND	ND	ND	ND	13	8.7	
6/29/2000	150.66	7.15	0.00	143.51	-2.91	ND	--	ND	ND	ND	ND	7.3	7	
9/18/2000	150.66	9.90	0.00	140.76	-2.75	ND	--	ND	ND	ND	ND	25	18	
12/14/2000	150.66	9.09	0.00	141.57	0.81	ND	--	ND	ND	ND	ND	ND	9.6	
3/7/2001	150.66	6.45	0.00	144.21	2.64	ND	--	ND	ND	ND	ND	8.61	9.0	
6/5/2001	150.66	9.09	0.00	141.57	-2.64	ND	--	ND	ND	ND	ND	ND	ND	
9/11/2001	150.66	12.05	0.00	138.61	-2.96	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	18	26	
12/11/2001	150.66	5.73	0.00	144.93	6.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.8	5.3	
3/12/2002	150.66	3.96	0.00	146.70	1.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.8	12	
6/17/2002	150.66	7.51	0.00	143.15	-3.55	--	--	--	--	--	--	--	--	Sampled semi-annually
9/10/2002	150.66	11.08	0.00	139.58	-3.57	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	6.2	
12/10/2002	150.66	12.01	0.00	138.65	-0.93	--	--	--	--	--	--	--	--	Sampled semi-annually
3/11/2003	150.66	4.59	0.00	146.07	7.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
6/10/2003	150.66	--	--	--	--	--	--	--	--	--	--	--	--	Sampled semi-annually
9/10/2003	150.66	9.56	0.00	141.10	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/9/2003	150.66	7.40	0.00	143.26	2.16	--	--	--	--	--	--	--	--	Monitored Only
3/17/2004	150.66	3.82	0.00	146.84	3.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
6/2/2004	150.66	5.97	0.00	144.69	-2.15	--	--	--	--	--	--	--	--	Monitored Only
8/3/2004	150.66	8.56	0.00	142.10	-2.59	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
11/9/2004	150.66	8.14	0.00	142.52	0.42	--	--	--	--	--	--	--	--	Sampled semi-annually
2/1/2005	150.66	5.05	0.00	145.61	3.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
5/4/2005	150.66	4.75	0.00	145.91	0.30	--	--	--	--	--	--	--	--	Sampled semi-annually
8/2/2005	150.66	7.05	0.00	143.61	-2.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/2/2005	150.66	9.04	0.00	141.62	-1.99	--	--	--	--	--	--	--	--	Sampled semi-annually

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5														
12/14/2000	150.16	11.11	0.00	139.05	--	ND	--	2.4	ND	ND	ND	40	49	
3/7/2001	150.16	8.50	0.00	141.66	2.61	ND	--	ND	ND	ND	ND	15.7	15	
6/5/2001	150.16	10.78	0.00	139.38	-2.28	ND	--	ND	ND	ND	ND	ND	ND	
9/11/2001	150.16	13.24	0.00	136.92	-2.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	38	52	
12/11/2001	150.16	8.63	0.00	141.53	4.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	6.6	
3/12/2002	150.16	6.25	0.00	143.91	2.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.5	3.2	
6/17/2002	150.16	8.86	0.00	141.30	-2.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
9/10/2002	150.16	11.85	0.00	138.31	-2.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
12/10/2002	150.16	13.43	0.00	136.73	-1.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
3/11/2003	150.16	6.01	0.00	144.15	7.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
6/10/2003	150.16	6.54	0.00	143.62	-0.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
9/10/2003	150.16	10.47	0.00	139.69	-3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/9/2003	150.16	3.49	0.00	146.67	6.98	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
3/17/2004	150.16	4.38	0.00	145.78	-0.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
6/2/2004	150.16	6.75	0.00	143.41	-2.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
8/3/2004	150.16	9.21	0.00	140.95	-2.46	ND<50	--	ND<0.3	ND<0.3	ND<0.3	0.77	ND<1	ND<0.5	
11/9/2004	150.16	10.00	0.00	140.16	-0.79	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
2/1/2005	150.16	6.19	0.00	143.97	3.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
5/4/2005	150.16	5.90	0.00	144.26	0.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
8/2/2005	150.16	7.89	0.00	142.27	-1.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/2/2005	150.16	11.10	0.00	139.06	-3.21	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-6														
12/14/2000	150.45	10.54	0.00	139.91	--	110	--	44	ND	ND	ND	760	1100	
3/7/2001	150.45	6.76	0.00	143.69	3.78	62.5	--	ND	ND	ND	ND	498	550	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through November 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
6/5/2001	150.45	9.94	0.00	140.51	-3.18	110	--	ND	ND	ND	ND	790	680	
9/11/2001	150.45	12.75	0.00	137.70	-2.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	410	590	
12/11/2001	150.45	6.29	0.00	144.16	6.46	ND<50	--	11	ND<0.50	ND<0.50	ND<0.50	400	390	
3/12/2002	150.45	4.18	0.00	146.27	2.11	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	150	
6/17/2002	150.45	7.30	0.00	143.15	-3.12	ND<50	--	2.6	ND<0.50	ND<0.50	ND<0.50	100	120	
9/10/2002	150.45	11.62	0.00	138.83	-4.32	96	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	190	
12/10/2002	150.45	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
3/11/2003	150.45	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
6/10/2003	150.45	5.70	0.00	144.75	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	82	46	
9/10/2003	150.45	9.36	0.00	141.09	-3.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	50	
12/9/2003	150.45	7.06	0.00	143.39	2.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	28	33	
3/17/2004	150.45	4.05	0.00	146.40	3.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	13	
6/2/2004	150.45	5.50	0.00	144.95	-1.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	15	
8/3/2004	150.45	8.01	0.00	142.44	-2.51	ND<50	--	ND<0.3	0.55	ND<0.3	1.2	22	21	
11/9/2004	150.45	7.91	0.00	142.54	0.10	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	36	
2/1/2005	150.45	4.94	0.00	145.51	2.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	13	
5/4/2005	150.45	4.90	0.00	145.55	0.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	1.1	--	4.6	
8/2/2005	150.45	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible-Paved over
11/2/2005	150.45	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
MW-7														
12/14/2000	149.62	12.05	0.00	137.57	--	ND	--	ND	ND	ND	ND	10	9	
3/7/2001	149.62	9.30	0.00	140.32	2.75	ND	--	ND	ND	ND	ND	6.35	12	
6/5/2001	149.62	11.78	0.00	137.84	-2.48	ND	--	ND	ND	ND	ND	9.5	6.7	
9/11/2001	149.62	13.90	0.00	135.72	-2.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.8	10	

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-7 continued														
12/11/2001	149.62	9.56	0.00	140.06	4.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	9.8	
3/12/2002	149.62	7.24	0.00	142.38	2.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.2	4.9	
6/17/2002	149.62	10.30	0.00	139.32	-3.06	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.1	4.3	
9/10/2002	149.62	12.89	0.00	136.73	-2.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.6	5.1	
12/10/2002	149.62	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
3/11/2003	149.62	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
6/10/2003	149.62	8.27	0.00	141.35	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
9/10/2003	149.62	11.85	0.00	137.77	-3.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.1	
12/10/2003	149.62	9.94	0.00	139.68	1.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.6	
3/17/2004	149.62	8.33	0.00	141.29	1.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
6/2/2004	149.62	10.14	0.00	139.48	-1.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.8	
8/3/2004	149.62	12.53	0.00	137.09	-2.39	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
11/9/2004	149.62	11.05	0.00	138.57	1.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.8	
2/1/2005	149.62	7.34	0.00	142.28	3.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.62	
5/4/2005	149.62	7.32	0.00	142.30	0.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.54	
8/2/2005	149.62	8.89	0.00	140.73	-1.57	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.81	
11/2/2005	149.62	10.79	0.00	138.83	-1.90	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.3	
MW-8														
12/14/2000	150.49	12.83	0.00	137.66	--	ND	--	ND	ND	ND	ND	ND	ND	
3/7/2001	150.49	9.88	0.00	140.61	2.95	ND	--	ND	ND	ND	ND	ND	ND	
6/5/2001	150.49	12.57	0.00	137.92	-2.69	ND	--	ND	ND	ND	ND	ND	ND	
9/11/2001	150.49	14.61	0.00	135.88	-2.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/11/2001	150.49	9.80	0.00	140.69	4.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
3/12/2002	150.49	7.34	0.00	143.15	2.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	

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MW-8 continued														
6/17/2002	150.49	11.15	0.00	139.34	-3.81	--	--	--	--	--	--	--	--	Sampled semi-annually
9/10/2002	150.49	13.75	0.00	136.74	-2.60	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.2	
12/10/2002	150.49	14.93	0.00	135.56	-1.18	--	--	--	--	--	--	--	--	Sampled semi-annually
3/11/2003	150.49	7.96	0.00	142.53	6.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
6/10/2003	150.49	--	--	--	--	--	--	--	--	--	--	--	--	Sampled semi-annually
9/10/2003	150.49	12.70	0.00	137.79	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/9/2003	150.49	8.56	0.00	141.93	4.14	--	--	--	--	--	--	--	--	Monitored Only
3/17/2004	150.49	9.23	0.00	141.26	-0.67	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	4.7	
6/2/2004	150.49	12.02	0.00	138.47	-2.79	--	--	--	--	--	--	--	--	Monitored Only
8/3/2004	150.49	14.65	0.00	135.84	-2.63	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	0.62	
11/9/2004	150.49	14.13	0.00	136.36	0.52	--	--	--	--	--	--	--	--	Sampled semi-annually
2/1/2005	150.49	10.90	0.00	139.59	3.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.9	
5/4/2005	150.49	8.90	0.00	141.59	2.00	--	--	--	--	--	--	--	--	Sampled semi-annually
8/2/2005	150.49	12.49	0.00	138.00	-3.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	10	
11/2/2005	150.49	13.50	0.00	136.99	-1.01	--	--	--	--	--	--	--	--	Sampled semi-annually
MW-9														
12/14/2000	149.97	11.60	0.00	138.37	--	ND	--	ND	ND	ND	ND	ND	3.1	
3/7/2001	149.97	8.71	0.00	141.26	2.89	ND	--	ND	ND	ND	ND	6.22	4.4	
6/5/2001	149.97	11.32	0.00	138.65	-2.61	ND	--	ND	ND	ND	ND	8.8	7.9	
9/11/2001	149.97	13.29	0.00	136.68	-1.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.0	10	
12/11/2001	149.97	9.10	0.00	140.87	4.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.1	6.6	
3/12/2002	149.97	6.35	0.00	143.62	2.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	0.88	5.0	5.7	
6/17/2002	149.97	9.75	0.00	140.22	-3.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.9	8.1	
9/10/2002	149.97	12.40	0.00	137.57	-2.65	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.4	9.2	

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MW-9 continued														
12/10/2002	149.97	13.63	0.00	136.34	-1.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
3/11/2003	149.97	6.75	0.00	143.22	6.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
6/10/2003	149.97	7.93	0.00	142.04	-1.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
9/10/2003	149.97	11.35	0.00	138.62	-3.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.5	
12/9/2003	149.97	9.15	0.00	140.82	2.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
3/17/2004	149.97	6.90	0.00	143.07	2.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
6/2/2004	149.97	9.60	0.00	140.37	-2.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.77	
8/3/2004	149.97	7.10	0.00	142.87	2.50	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
11/9/2004	149.97	11.85	0.00	138.12	-4.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.96	
2/1/2005	149.97	7.66	0.00	142.31	4.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
5/4/2005	149.97	7.41	0.00	142.56	0.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
8/2/2005	149.97	9.89	0.00	140.08	-2.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.51	
11/2/2005	149.97	11.84	0.00	138.13	-1.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.1	

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	Iron (µg/l)	Carbon Dioxide (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol (mg/l)	Fe+2 (mg/l)	Methane (mg/l)	COD (µg/l)
MW-1															
02/16/00	ND	ND	--	--	--	--	--	32	ND	ND	ND	ND	--	--	--
06/29/00	ND	ND	--	--	--	--	--	39	ND	ND	ND	ND	--	--	--
09/18/00	ND	ND	--	--	--	--	--	14	ND	ND	ND	ND	--	--	--
12/14/00	ND	ND	--	--	--	--	--	9.3	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	11	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	9.2	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	7.6	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
12/10/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	0.120	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.009	0.052	0.28	24	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	ND<0.00001	ND<5
12/09/03	ND<2.0	ND<2.0	34	9.3	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	ND<0.20	--	ND<5000
03/17/04	ND<2.0	ND<2.0	31	10	--	--	35	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
06/02/04	ND<0.50	ND<0.50	32	12	--	--	49	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	ND<5000
08/03/04	ND<0.5	ND<0.5	29.9	7.9	54	--	--	ND<1	ND<12	ND<1	ND<1	--	1.7	ND<0.001	32
11/09/04	--	--	28	--	--	--	19	--	--	--	--	--	ND<0.010	ND<0.010	5700
02/01/05	--	--	33	12	--	--	57000	--	--	--	--	--	0.095	ND<0.001	ND<5.0
05/04/05	--	--	33	9.7	--	--	51	--	--	--	--	--	0.078	ND<0.1	9000
08/02/05	--	--	35	11	--	--	--	--	--	--	--	--	0.080	--	--
11/02/05	--	--	26	15	--	--	41	--	--	--	--	--	0.23	ND<0.0010	ND<10000
MW-2															
02/16/00	ND	ND	--	--	--	--	--	5200	ND	ND	ND	ND	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	Iron (µg/l)	Carbon Dioxide (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol (mg/l)	Fe+2 (mg/l)	Methane (mg/l)	COD (µg/l)
MW-2 continued															
06/29/00	ND	ND	--	--	--	--	--	1300	ND	ND	ND	ND	--	--	--
09/18/00	ND	ND	--	--	--	--	--	770	ND	ND	ND	ND	--	--	--
12/14/00	ND	ND	--	--	--	--	--	850	260	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	2400	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	2100	ND	ND	ND	ND	--	--	--
09/11/01	ND<20	ND<20	--	--	--	--	--	500	ND<200	ND<20	ND<20	ND<0.500	--	--	--
12/11/01	ND<40	ND<40	--	--	--	--	--	1300	ND<400	ND<40	ND<40	ND<0.500	--	--	--
03/12/02	ND<200	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	ND<0.100	--	--	--
06/17/02	ND<20	ND<20	--	--	--	--	--	490	ND<200	ND<20	ND<20	0.31	--	--	--
09/10/02	ND<50	ND<50	--	--	--	--	--	320	ND<500	ND<50	ND<50	ND<0.500	--	--	--
12/10/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	110	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<40	ND<40	--	0.0059	0.059	ND<0.2	28	420	ND<2000	ND<40	ND<40	ND<0.01	--	ND<0.00001	650
12/10/03	ND<20	ND<20	9.9	8.5	--	--	--	370	ND<1000	ND<20	ND<20	88.2	ND<0.20	--	19000
03/17/04	ND<2.0	ND<2.0	25	16	--	--	38	32	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
06/02/04	ND<2.5	ND<2.5	14	9.6	--	--	46	61	32	ND<5.0	ND<2.5	ND<0.50	ND<0.20	ND<0.010	ND<5000
08/03/04	ND<0.5	ND<0.5	8.56	7.7	87	--	--	18	36	ND<1	ND<1	--	1.7	ND<0.001	ND<20
11/09/04	--	--	45	--	--	--	24	--	--	--	--	--	ND<0.010	ND<0.010	15000
02/01/05	--	--	18	11	--	--	73000	--	--	--	--	--	0.027	ND<0.001	ND<5.0
05/04/05	--	--	21	12	--	--	39	--	--	--	--	--	ND<0.050	ND<0.1	13000
08/02/05	--	--	14	7.6	--	--	--	--	--	--	--	--	ND<0.050	--	--
11/02/05	--	--	5.3	12	--	--	51	--	--	--	--	--	0.13	0.0027	10000
MW-3															
02/16/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/29/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	Iron (µg/l)	Carbon Dioxide (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol (mg/l)	Fe+2 (mg/l)	Methane (mg/l)	COD (µg/l)
MW-3 continued															
09/18/00	ND	ND	--	--	--	--	--	6.2	ND	ND	ND	ND	--	--	--
12/14/00	ND	ND	--	--	--	--	--	15	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	5.4	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	2.8	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	8.6	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	23	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	3.6	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	6.1	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	13	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
12/10/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	0.130	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.0079	0.026	5.4	26	2.3	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/09/03	ND<2.0	ND<2.0	47	7.1	--	--	--	15	ND<100	ND<2.0	ND<2.0	ND<0.01	ND<0.20	ND<0.00001	50
03/17/04	ND<2.0	ND<2.0	68	20	--	--	87	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	ND<0.20	--	13000
06/02/04	ND<0.50	ND<0.50	47	8.4	--	--	88	1.4	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	ND<5000
08/03/04	ND<0.5	ND<0.5	37.7	5.2	43	--	--	1.8	ND<12	ND<1	ND<1	--	0.34	ND<0.001	50
11/09/04	--	--	3.8	--	--	--	26	--	--	--	--	--	ND<0.010	ND<0.010	ND<5000
02/01/05	--	--	65	20	--	--	120000	--	--	--	--	--	0.068	ND<0.001	10
05/04/05	--	--	51	19	--	--	120	--	--	--	--	--	ND<0.050	ND<0.1	11000
08/02/05	--	--	43	7.3	--	--	--	--	--	--	--	--	0.20	--	--
11/02/05	--	--	37	9.1	--	--	16	--	--	--	--	--	0.13	ND<0.0051	ND<10000
MW-4															
02/16/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/29/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/18/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	Iron (µg/l)	Carbon Dioxide (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol (mg/l)	Fe+2 (mg/l)	Methane (mg/l)	COD (µg/l)
MW-4 continued															
12/14/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	3.2	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	0.72	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.005	0.036	9.7	28	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.00001	48
03/17/04	ND<2.0	ND<2.0	70	4.9	--	--	80	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	ND<0.20	ND<0.010	--
08/03/04	ND<0.5	ND<0.5	69.0	4.4	39	--	--	ND<1	ND<12	ND<1	ND<1	--	2.2	ND<0.001	25
02/01/05	--	--	64	5.5	--	--	120000	--	--	--	--	--	0.077	ND<0.001	ND<5.0
08/02/05	--	--	70	4.5	--	--	--	--	--	--	--	--	0.14	--	--
MW-5															
12/14/00	ND	ND	--	--	--	--	--	10	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	2.7	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	6.9	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
12/10/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.0088	0.026	13	20	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.00001	29

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	Iron (µg/l)	Carbon Dioxide (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol (mg/l)	Fe+2 (mg/l)	Methane (mg/l)	COD (µg/l)
MW-5 continued															
12/09/03	ND<2.0	ND<2.0	30	7.3	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	ND<0.20	--	ND<5000
03/17/04	ND<2.0	ND<2.0	19	8.6	--	--	39	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
06/02/04	ND<0.50	ND<0.50	25	7.9	--	--	55	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	ND<5000
08/03/04	ND<0.5	ND<0.5	32.1	7.2	64	--	--	ND<1	ND<12	ND<1	ND<1	--	5	ND<0.001	36
11/09/04	--	--	29	--	--	--	23	--	--	--	--	--	ND<0.010	ND<0.010	ND<5000
02/01/05	--	--	24	9.5	--	--	37000	--	--	--	--	--	0.10	ND<0.001	ND<5.0
05/04/05	--	--	22	7.9	--	--	28	--	--	--	--	--	0.064	ND<0.1	5300
08/02/05	--	--	15	11	--	--	--	--	--	--	--	--	ND<0.050	--	--
11/02/05	--	--	34	6.6	--	--	71	--	--	--	--	--	0.75	ND<0.0010	ND<10000
MW-6															
12/14/00	ND	ND	--	--	--	--	--	180	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	93	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	120	ND	ND	ND	ND	--	--	--
09/11/01	ND<10	ND<10	--	--	--	--	--	100	ND<100	ND<10	ND<10	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	69	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<20	ND<20	--	--	--	--	--	27	ND<1000	ND<20	ND<20	ND<0.100	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	21	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	30	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	7.5	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.024	0.1	0.41	25	8.4	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.00001	15
12/09/03	ND<2.0	ND<2.0	ND<1.0	31	--	--	--	6.3	ND<100	ND<2.0	ND<2.0	ND<10	ND<0.20	--	8200
03/17/04	ND<2.0	ND<2.0	2.4	34	--	--	72	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
06/02/04	ND<0.50	ND<0.50	14	34	--	--	140	2.1	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	13000
08/03/04	ND<0.5	ND<0.5	47.1	6.6	36	--	--	2.9	ND<12	ND<1	ND<1	--	1.8	ND<0.001	48
11/09/04	--	--	1.2	--	--	--	29	--	--	--	--	--	ND<0.010	ND<0.010	7200
02/01/05	--	--	ND<1.0	35	--	--	150000	--	--	--	--	--	0.81	ND<0.001	10

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	Iron (µg/l)	Carbon Dioxide (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol (mg/l)	Fe+2 (mg/l)	Methane (mg/l)	COD (µg/l)
MW-6 continued															
05/04/05	--	--	3.8	31	--	--	140	--	--	--	--	--	1.3	ND<0.1	27000
MW-7															
12/14/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.025	0.1	8.1	33	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.00001	29
12/10/03	ND<2.0	ND<2.0	ND<1.0	28	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	1.9	--	29000
03/17/04	ND<2.0	ND<2.0	ND<1.0	24	--	--	110	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	2.0	ND<0.010	--
06/02/04	ND<0.50	ND<0.50	ND<1	110	--	--	100	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	ND<5000
08/03/04	ND<0.5	ND<0.5	24.6	8.7	85	--	--	ND<1	ND<12	ND<1	ND<1	--	2.1	ND<0.001	54
11/09/04	--	--	ND<1.0	270	--	--	21	--	--	--	--	--	ND<0.010	ND<0.010	18000
02/01/05	--	--	1.4	150	--	--	120000	--	--	--	--	--	0.30	ND<0.001	12
05/04/05	--	--	1.1	86	--	--	110	--	--	--	--	--	0.50	ND<0.1	9500
08/02/05	--	--	ND<1.0	79	--	--	--	--	--	--	--	--	0.50	--	--
11/02/05	--	--	ND<1.0	160	--	--	130	--	--	--	--	--	13	0.0013	ND<10
MW-8															
12/14/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	Iron (µg/l)	Carbon Dioxide (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol (mg/l)	Fe+2 (mg/l)	Methane (mg/l)	COD (µg/l)
MW-8 continued															
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.017	0.057	2.3	23	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.00001	30
03/17/04	ND<2.0	ND<2.0	6.1	16	--	--	49	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
08/03/04	ND<0.5	ND<0.5	2.7	22	31	--	--	ND<1	ND<12	ND<1	ND<1	--	23	ND<0.001	66
02/01/05	--	--	6.6	20	--	--	92000	--	--	--	--	--	0.051	ND<0.001	8.0
08/02/05	--	--	4.2	17	--	--	--	--	--	--	--	--	0.31	--	--
MW-9															
12/14/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	3.1	ND<20	ND<2.0	ND<2.0	0.16	--	--	--
12/10/02	ND<2.0	ND<2.0	--	--	--	--	--	1.0	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.025	0.078	9.5	26	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/09/03	ND<2.0	ND<2.0	10	26	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	ND<0.20	ND<0.00001	21
03/17/04	ND<2.0	ND<2.0	18	25	--	--	79	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	ND<0.20	--	--
06/02/04	ND<0.50	ND<0.50	15	26	--	--	160	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	ND<5000
08/03/04	ND<0.5	ND<0.5	25.1	8.2	32	--	--	ND<1	ND<12	ND<1	ND<1	--	30	ND<0.001	34

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	Iron (µg/l)	Carbon Dioxide (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol (mg/l)	Fe+2 (mg/l)	Methane (mg/l)	COD (µg/l)
MW-9 continued															
11/09/04	--	--	8.3	--	--	--	24	--	--	--	--	--	ND<0.010	ND<0.010	7600
02/01/05	--	--	9.7	27	--	--	100000	--	--	--	--	--	0.083	ND<0.001	ND<5.0
05/04/05	--	--	13	28	--	--	75	--	--	--	--	--	0.11	ND<0.1	21000
08/02/05	--	--	10	28	--	--	--	--	--	--	--	--	0.18	--	--
11/02/05	--	--	6.8	28	--	--	74	--	--	--	--	--	0.22	ND<0.0010	ND<10000

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	Carbonate Alkalinity (mg/l)	Bicarbonate Alkalinity (mg/l)	Hydroxide Alkalinity (mg/l)	Total Alkalinity (mg/l)	Dissolved Manganese (µg/l)
MW-1											
02/16/00	--	--	--	ND	--	--	--	--	--	--	--
06/29/00	--	--	--	ND	--	--	--	--	--	--	--
09/18/00	--	--	--	ND	--	--	--	--	--	--	--
12/14/00	--	--	--	ND	--	--	--	--	--	--	--
03/07/01	--	--	--	ND	--	--	--	--	--	--	--
06/05/01	--	--	--	ND	--	--	--	--	--	--	--
09/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--
12/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--
03/12/02	--	--	--	ND<500000	--	--	--	--	--	--	--
06/17/02	--	--	--	ND<500000	--	--	--	--	--	--	--
09/10/02	--	--	--	ND<50000	--	--	--	--	--	--	--
12/10/02	--	--	--	ND<500000	--	--	--	--	--	--	--
03/11/03	--	--	--	ND<500000	--	--	--	--	--	--	--
06/10/03	--	--	--	ND<500000	--	--	--	--	--	--	--
09/10/03	--	ND<0.001	--	ND<500	ND<0.002	44	--	--	--	--	0.041
12/09/03	0.72	ND<1.0	--	ND<500	ND<6.0	--	ND<5.0	36	ND<5.0	36	--
03/17/04	0.75	ND<1.0	--	ND<500	--	--	ND<5.0	25	ND<5.0	25	--
06/02/04	ND<0.0050	ND<1	--	ND<50	ND<6	--	ND<5.0	15	ND<5.0	15	--
08/03/04	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--	--
11/09/04	1.3	--	--	--	--	--	ND<5.0	19	ND<5.0	19	--
02/01/05	0.64	--	--	--	ND<6	--	ND<5.0	24	ND<5.0	24	--
05/04/05	1.9	--	--	--	ND<6	--	ND<5.0	28	ND<5.0	28	--
08/02/05	3.8	--	ND<5.0	--	--	--	--	25	--	25	--
11/02/05	2.2	--	--	--	--	--	--	28.4	--	28.4	--
MW-2											
02/16/00	--	--	--	ND	--	--	--	--	--	--	--

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	Carbonate Alkalinity (mg/l)	Bicarbonate Alkalinity (mg/l)	Hydroxide Alkalinity (mg/l)	Total Alkalinity (mg/l)	Dissolved Manganese (µg/l)	
MW-2 continued												
06/29/00	--	--	--	ND	--	--	--	--	--	--	--	
09/18/00	--	--	--	ND	--	--	--	--	--	--	--	
12/14/00	--	--	--	ND	--	--	--	--	--	--	--	
03/07/01	--	--	--	ND	--	--	--	--	--	--	--	
06/05/01	--	--	--	ND	--	--	--	--	--	--	--	
09/11/01	--	--	--	ND<5000000	--	--	--	--	--	--	--	
12/11/01	--	--	--	ND<10000000	--	--	--	--	--	--	--	
03/12/02	--	--	--	ND<50000000	--	--	--	--	--	--	--	
06/17/02	--	--	--	ND<5000000	--	--	--	--	--	--	--	
09/10/02	--	--	--	ND<5000000	--	--	--	--	--	--	--	
12/10/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
03/11/03	--	--	--	ND<500000	--	--	--	--	--	--	--	
06/10/03	--	--	--	ND<500000	--	--	--	--	--	--	--	
09/10/03	--	ND<0.001	--	ND<10000	0.006	6.9	--	--	--	--	0.93	
12/10/03	0.96	ND<1.0	--	ND<5000	ND<6.0	--	--	62	--	62	--	
03/17/04	0.46	ND<1.0	--	ND<500	--	--	ND<5.0	27	ND<5.0	27	--	
06/02/04	ND<0.0050	ND<1	--	ND<250	ND<6	--	ND<5.0	34	ND<5.0	34	--	
08/03/04	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--	--	
11/09/04	1.5	--	--	--	--	--	ND<5.0	81	ND<5.0	81	--	
02/01/05	0.14	--	--	--	ND<6	--	ND<5.0	33	ND<5.0	33	--	
05/04/05	0.42	--	--	--	ND<6	--	ND<5.0	28	ND<5.0	28	--	
08/02/05	2.5	--	ND<5.0	--	--	--	--	61	--	61	--	
11/02/05	5.7	--	--	--	--	--	--	137	--	137	--	
MW-3												
02/16/00	--	--	--	ND	--	--	--	--	--	--	--	
06/29/00	--	--	--	ND	--	--	--	--	--	--	--	

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	Carbonate Alkalinity (mg/l)	Bicarbonate Alkalinity (mg/l)	Hydroxide Alkalinity (mg/l)	Total Alkalinity (mg/l)	Dissolved Manganese (µg/l)	
MW-3 continued												
09/18/00	--	--	--	ND	--	--	--	--	--	--	--	
12/14/00	--	--	--	ND	--	--	--	--	--	--	--	
03/07/01	--	--	--	ND	--	--	--	--	--	--	--	
06/05/01	--	--	--	ND	--	--	--	--	--	--	--	
09/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
12/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
03/12/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
06/17/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
09/10/02	--	--	--	ND<50000	--	--	--	--	--	--	--	
12/10/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
03/11/03	--	--	--	ND<500000	--	--	--	--	--	--	--	
06/10/03	--	--	--	ND<500000	--	--	--	--	--	--	--	
09/10/03	--	ND<0.001	--	ND<500	ND<0.02	48	--	--	--	--	0.076	
12/09/03	0.20	ND<1.0	--	ND<500	ND<6.0	--	ND<5.0	26	ND<5.0	26	--	
03/17/04	0.10	ND<1.0	--	ND<500	--	--	ND<5.0	10	ND<5.0	10	--	
06/02/04	0.0068	ND<1	--	ND<50	ND<6	--	ND<5.0	19	ND<5.0	19	--	
08/03/04	ND<0.01	ND<0.5	--	ND<800	--	--	--	--	--	--	--	
11/09/04	0.27	--	--	--	--	--	ND<5.0	19	ND<5.0	19	--	
02/01/05	0.040	--	--	--	ND<6	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	
05/04/05	0.047	--	--	--	ND<6	--	ND<5.0	12	ND<5.0	12	--	
08/02/05	0.055	--	ND<5.0	--	--	--	--	26	--	26	--	
11/02/05	0.11	--	--	--	--	--	--	41.9	--	41.9	--	
MW-4												
02/16/00	--	--	--	ND	--	--	--	--	--	--	--	
06/29/00	--	--	--	ND	--	--	--	--	--	--	--	
09/18/00	--	--	--	ND	--	--	--	--	--	--	--	

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	Carbonate Alkalinity (mg/l)	Bicarbonate Alkalinity (mg/l)	Hydroxide Alkalinity (mg/l)	Total Alkalinity (mg/l)	Dissolved Manganese (µg/l)	
MW-4 continued												
12/14/00	--	--	--	ND	--	--	--	--	--	--	--	
03/07/01	--	--	--	ND	--	--	--	--	--	--	--	
06/05/01	--	--	--	ND	--	--	--	--	--	--	--	
09/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
12/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
03/12/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
09/10/02	--	--	--	ND<50000	--	--	--	--	--	--	--	
09/10/03	--	ND<0.001	--	ND<500	ND<0.02	64	--	--	--	--	0.13	
03/17/04	0.14	ND<1.0	--	ND<500	--	--	ND<5.0	30	ND<5.0	30	--	
08/03/04	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--	--	
02/01/05	0.24	--	--	--	ND<6	--	ND<5.0	43	ND<5.0	43	--	
08/02/05	0.095	--	ND<5.0	--	--	--	--	39	--	39	--	
MW-5												
12/14/00	--	--	--	ND	--	--	--	--	--	--	--	
03/07/01	--	--	--	ND	--	--	--	--	--	--	--	
06/05/01	--	--	--	ND	--	--	--	--	--	--	--	
09/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
12/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
03/12/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
06/17/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
09/10/02	--	--	--	ND<50000	--	--	--	--	--	--	--	
12/10/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
03/11/03	--	--	--	ND<500000	--	--	--	--	--	--	--	
06/10/03	--	--	--	ND<500000	--	--	--	--	--	--	--	
09/10/03	--	ND<0.001	--	ND<500	ND<0.02	23	--	--	--	--	0.29	
12/09/03	0.28	ND<1.0	--	ND<500	ND<6.0	--	ND<5.0	52	ND<5.0	52	--	

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	Carbonate Alkalinity (mg/l)	Bicarbonate Alkalinity (mg/l)	Hydroxide Alkalinity (mg/l)	Total Alkalinity (mg/l)	Dissolved Manganese (µg/l)
MW-5 continued											
03/17/04	0.22	ND<1.0	--	ND<500	--	--	ND<5.0	15	ND<5.0	15	--
06/02/04	ND<0.0050	ND<1	--	ND<50	ND<6	--	ND<5.0	29	ND<5.0	29	--
08/03/04	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--	--
11/09/04	0.51	--	--	--	--	--	ND<5.0	39	ND<5.0	39	--
02/01/05	0.21	--	--	--	ND<6	--	ND<5.0	19	ND<5.0	19	--
05/04/05	0.054	--	--	--	ND<6	--	ND<5.0	19	ND<5.0	19	--
08/02/05	0.072	--	ND<5.0	--	--	--	--	24	--	24	--
11/02/05	0.12	--	--	--	--	--	--	51.5	--	51.5	--
MW-6											
12/14/00	--	--	--	ND	--	--	--	--	--	--	--
03/07/01	--	--	--	ND	--	--	--	--	--	--	--
06/05/01	--	--	--	ND	--	--	--	--	--	--	--
09/11/01	--	--	--	ND<2500000	--	--	--	--	--	--	--
12/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--
03/12/02	--	--	--	ND<5000000	--	--	--	--	--	--	--
06/17/02	--	--	--	ND<500000	--	--	--	--	--	--	--
09/10/02	--	--	--	ND<50000	--	--	--	--	--	--	--
06/10/03	--	--	--	ND<500000	--	--	--	--	--	--	--
09/10/03	--	ND<0.001	--	ND<500	ND<0.006	2.5	--	--	--	--	0.74
12/09/03	1.2	ND<1.0	--	ND<500	ND<6.0	--	ND<5.0	83	ND<5.0	83	--
03/17/04	1.6	ND<1.0	--	ND<500	--	--	ND<5.0	96	ND<5.0	96	--
06/02/04	1.3	ND<1	--	ND<50	ND<6	--	ND<5.0	73	ND<5.0	73	--
08/03/04	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--	--
11/09/04	1.7	--	--	--	--	--	ND<5.0	76	ND<5.0	76	--
02/01/05	1.7	--	--	--	ND<6	--	ND<5.0	62	ND<5.0	62	--
05/04/05	1.6	--	--	--	ND<6	--	ND<5.0	60	ND<5.0	60	--

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	Carbonate Alkalinity (mg/l)	Bicarbonate Alkalinity (mg/l)	Hydroxide Alkalinity (mg/l)	Total Alkalinity (mg/l)	Dissolved Manganese (µg/l)	
MW-7												
12/14/00	--	--	--	ND	--	--	--	--	--	--	--	
03/07/01	--	--	--	ND	--	--	--	--	--	--	--	
06/05/01	--	--	--	ND	--	--	--	--	--	--	--	
09/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
12/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
03/12/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
06/17/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
09/10/02	--	--	--	ND<50000	--	--	--	--	--	--	--	
06/10/03	--	--	--	ND<500000	--	--	--	--	--	--	--	
09/10/03	--	ND<0.001	--	ND<500	ND<0.02	ND<1.0	--	--	--	--	0.26	
12/10/03	0.29	ND<1.0	--	ND<500	ND<6.0	--	130	130	--	130	--	
03/17/04	0.30	ND<1.0	--	ND<500	--	--	ND<5.0	120	ND<5.0	120	--	
06/02/04	0.24	ND<1	--	ND<50	ND<6	--	ND<5.0	73	ND<5.0	73	--	
08/03/04	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--	--	
11/09/04	0.89	--	--	--	--	--	ND<5.0	27	ND<5.0	27	--	
02/01/05	1.9	--	--	--	ND<6	--	ND<5.0	48	ND<5.0	48	--	
05/04/05	1.2	--	--	--	ND<6	--	ND<5.0	50	ND<5.0	50	--	
08/02/05	0.61	--	ND<5.0	--	--	--	--	52	--	52	--	
11/02/05	0.72	--	--	--	--	--	--	50.3	--	50.3	--	
MW-8												
12/14/00	--	--	--	ND	--	--	--	--	--	--	--	
03/07/01	--	--	--	ND	--	--	--	--	--	--	--	
06/05/01	--	--	--	ND	--	--	--	--	--	--	--	
09/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
12/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
03/12/02	--	--	--	ND<500000	--	--	--	--	--	--	--	

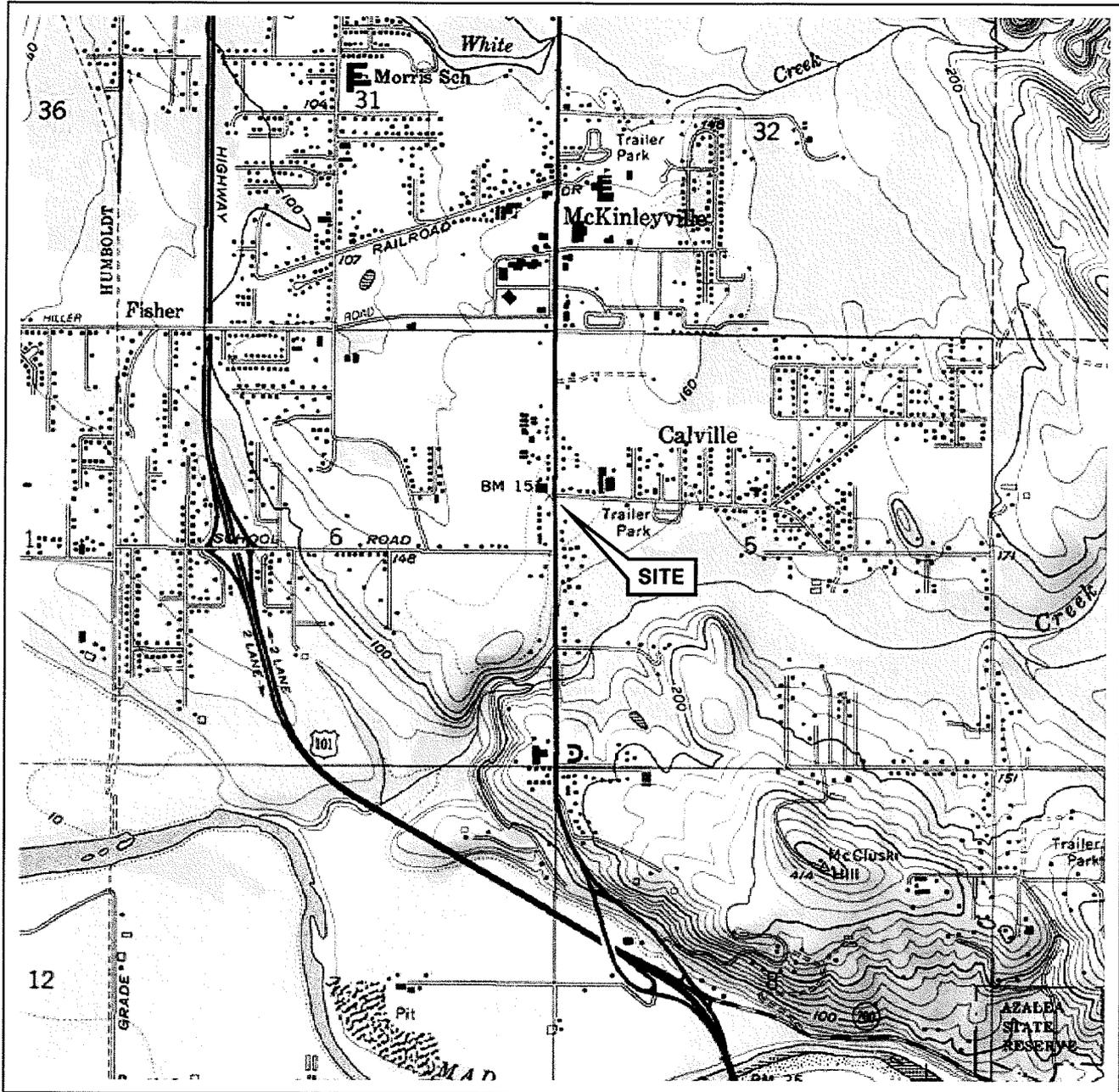
Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	Carbonate Alkalinity (mg/l)	Bicarbonate Alkalinity (mg/l)	Hydroxide Alkalinity (mg/l)	Total Alkalinity (mg/l)	Dissolved Manganese (µg/l)	
MW-8 continued												
09/10/02	--	--	--	ND<50000	--	--	--	--	--	--	--	
09/10/03	--	ND<0.001	--	ND<500	ND<0.02	5.9	--	--	--	--	ND<0.0050	
03/17/04	0.22	ND<1.0	--	ND<500	--	--	ND<5.0	50	ND<5.0	50	--	
08/03/04	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--	--	
02/01/05	0.96	--	--	--	ND<6	--	ND<5.0	69	ND<5.0	69	--	
08/02/05	0.66	--	ND<5.0	--	--	--	--	68	--	68	--	
MW-9												
12/14/00	--	--	--	ND	--	--	--	--	--	--	--	
03/07/01	--	--	--	ND	--	--	--	--	--	--	--	
06/05/01	--	--	--	ND	--	--	--	--	--	--	--	
09/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
12/11/01	--	--	--	ND<500000	--	--	--	--	--	--	--	
03/12/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
06/17/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
09/10/02	--	--	--	ND<50000	--	--	--	--	--	--	--	
12/10/02	--	--	--	ND<500000	--	--	--	--	--	--	--	
03/11/03	--	--	--	ND<500000	--	--	--	--	--	--	--	
06/10/03	--	--	--	ND<500000	--	--	--	--	--	--	--	
09/10/03	--	ND<0.001	--	ND<500	ND<0.006	8.9	--	--	--	--	0.34	
12/09/03	1.6	--	--	ND<500	--	--	ND<5.0	100	ND<5.0	100	--	
03/17/04	0.57	ND<1.0	--	ND<500	--	--	ND<5.0	55	ND<5.0	55	--	
06/02/04	0.073	ND<1	--	ND<50	ND<6	--	ND<5.0	78	ND<5.0	78	--	
08/03/04	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--	--	
11/09/04	1.3	--	--	--	--	--	ND<5.0	79	ND<5.0	79	--	
02/01/05	1.8	--	--	--	ND<6	--	ND<5.0	72	ND<5.0	72	--	
05/04/05	2.0	--	--	--	ND<6	--	ND<5.0	61	ND<5.0	61	--	

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	Carbonate Alkalinity (mg/l)	Bicarbonat e Alkalinity (mg/l)	Hydroxide Alkalinity (mg/l)	Total Alkalinity (mg/l)	Dissolved Manganese (µg/l)
MW-9 continued											
08/02/05	1.7	--	ND<5.0	--	--	--	--	71	--	71	--
11/02/05	4.4	--	--	--	--	--	--	79	--	79	--

FIGURES



0 1/4 1/2 3/4 1 MILE

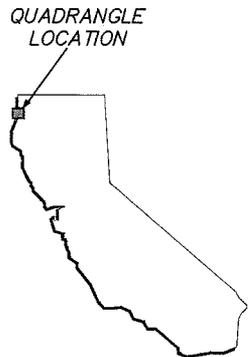


SCALE 1:24,000



SOURCE:

United States Geological Survey
7.5 Minute Topographic Maps:
Arcata North and Tye City
Quadrangles



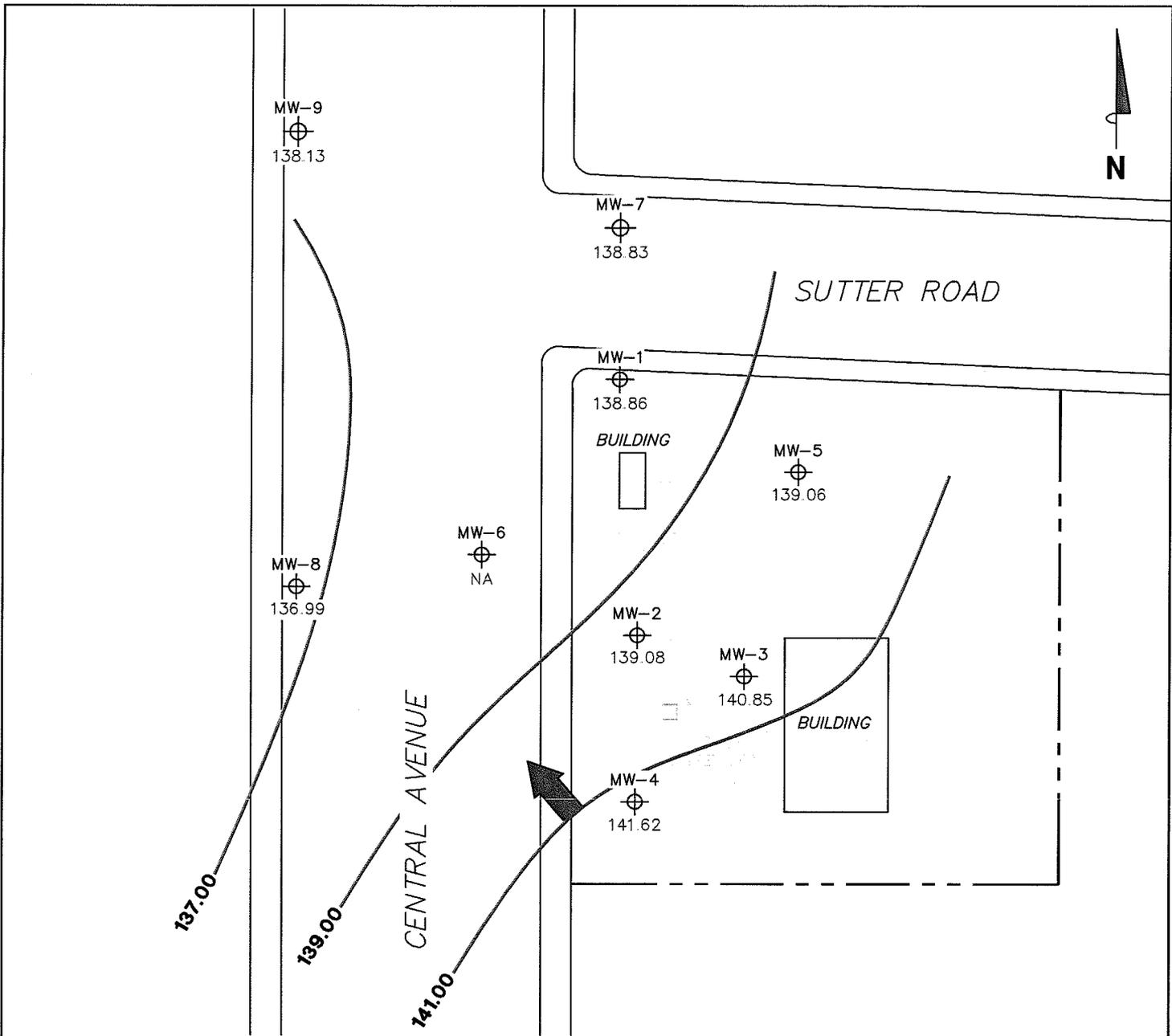
VICINITY MAP

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

FIGURE 1

TRC

PS = 1:1



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank. NA = not analyzed, measured, or collected.

LEGEND

- MW-9 Monitoring Well with Groundwater Elevation (feet)
- 141.00 Groundwater Elevation Contour
- General Direction of Groundwater Flow

**GROUNDWATER ELEVATION
CONTOUR MAP
November 2, 2005**

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

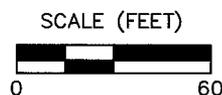


FIGURE 2

PS=1:1 01106-003



MW-9
ND<50

MW-7
ND<50

SUTTER ROAD

MW-1
ND<50

BUILDING

MW-5
ND<50

MW-6
(ND<50)
5/4/2005

MW-8
(ND<50)
8/2/2005

100
MW-2
920

MW-3
ND<50

BUILDING

CENTRAL AVENUE

MW-4
(ND<50)
8/2/2005

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-G = total petroleum hydrocarbons as gasoline. $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. () = representative of historical value. Results obtained using EPA Method 8015.

LEGEND

MW-9 Monitoring Well with Dissolved-Phase TPH-G Concentration ($\mu\text{g/l}$)

Dissolved-Phase TPH-G Contour ($\mu\text{g/l}$)

**DISSOLVED-PHASE TPH-G CONCENTRATION MAP
November 2, 2005**

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California



SCALE (FEET)

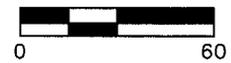
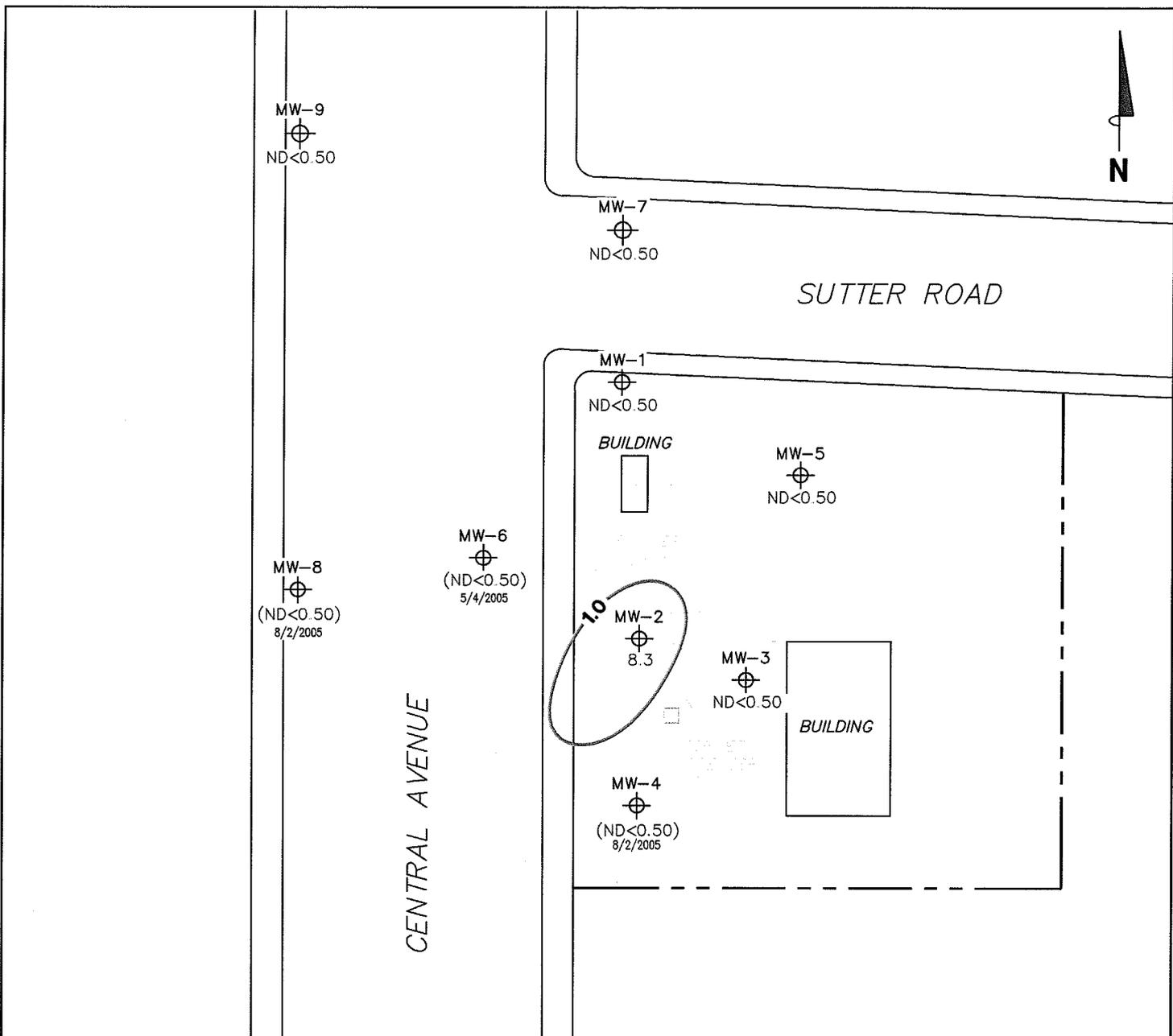


FIGURE 3

PS=1:1 01106-003



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
 $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
 UST = underground storage tank.
 () = representative of historical value.

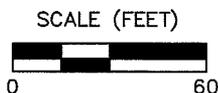
LEGEND	
MW-9	Monitoring Well with Dissolved-Phase Benzene Concentration ($\mu\text{g/l}$)
-1.0-	Dissolved-Phase Benzene Contour ($\mu\text{g/l}$)

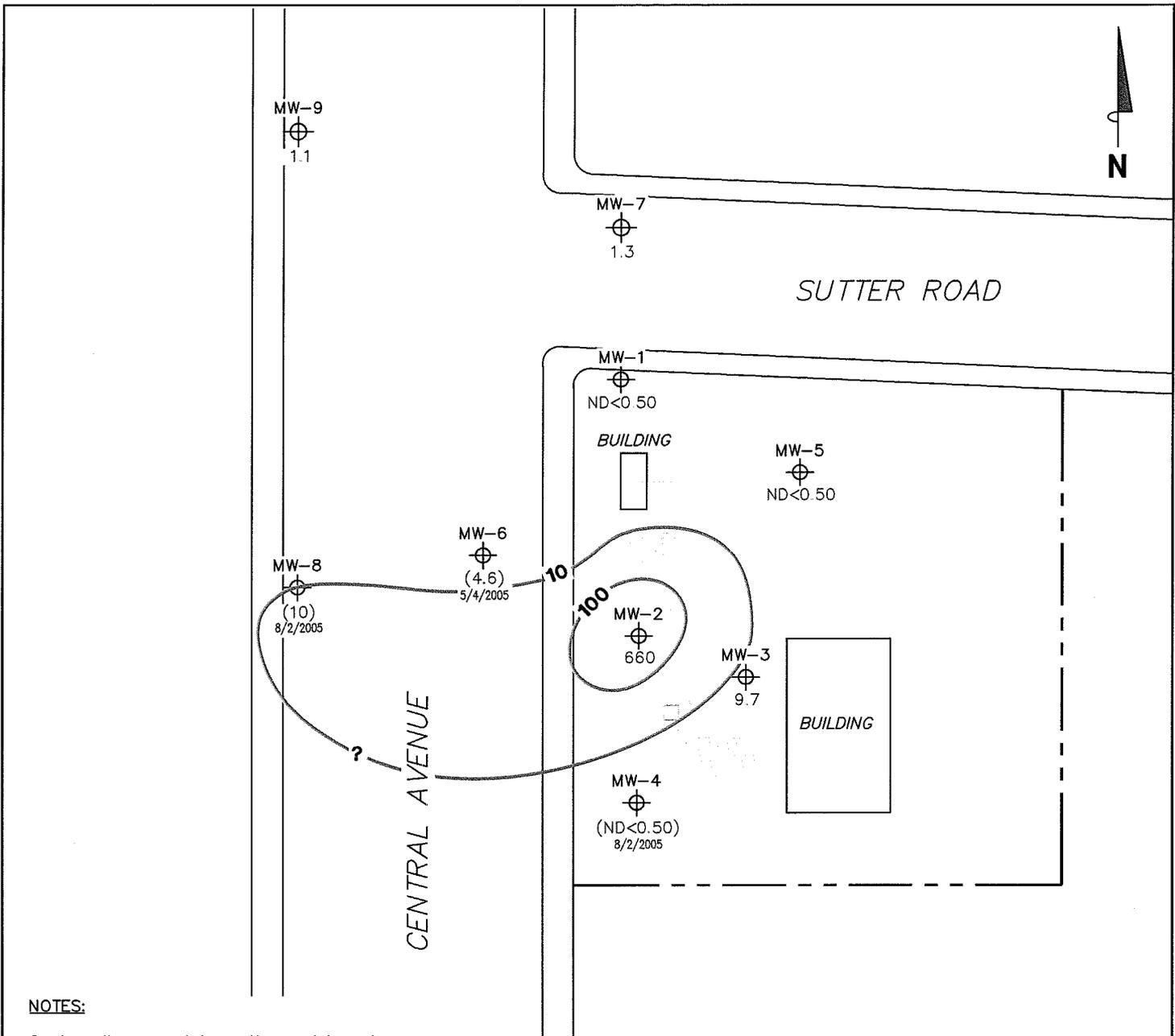
**DISSOLVED-PHASE BENZENE CONCENTRATION MAP
November 2, 2005**

Former Circle K Store 01106
 1693 Central Avenue
 McKinleyville, California

FIGURE 4

PS=1:1_01106-003





NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. () = representative of historical value. Results obtained using EPA Method 8260B.

LEGEND

- MW-9 Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)
- 100- Dissolved-Phase MTBE Contour (µg/l)

**DISSOLVED-PHASE MTBE
CONCENTRATION MAP
November 2, 2005**

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California



SCALE (FEET)

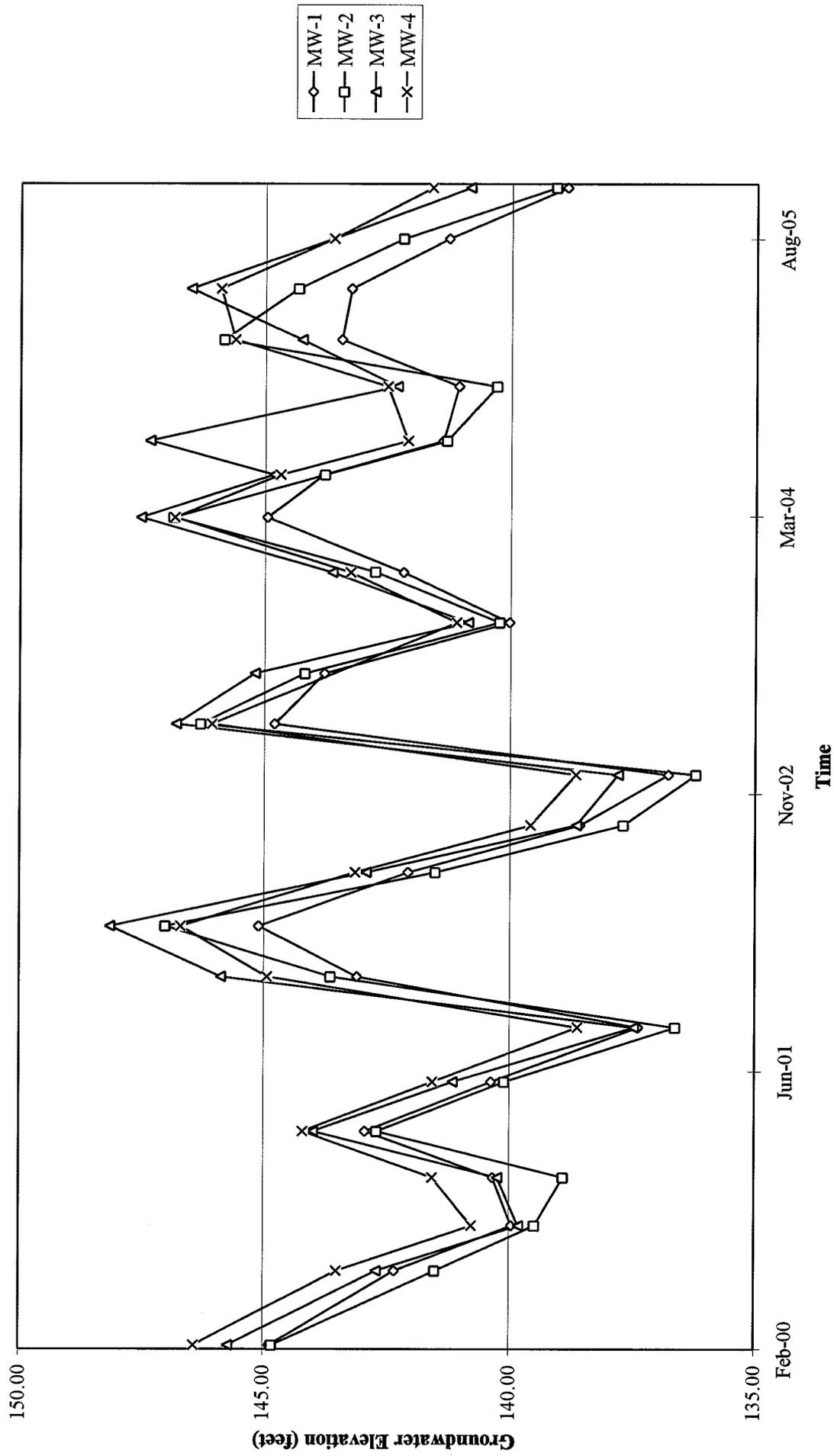


FIGURE 5

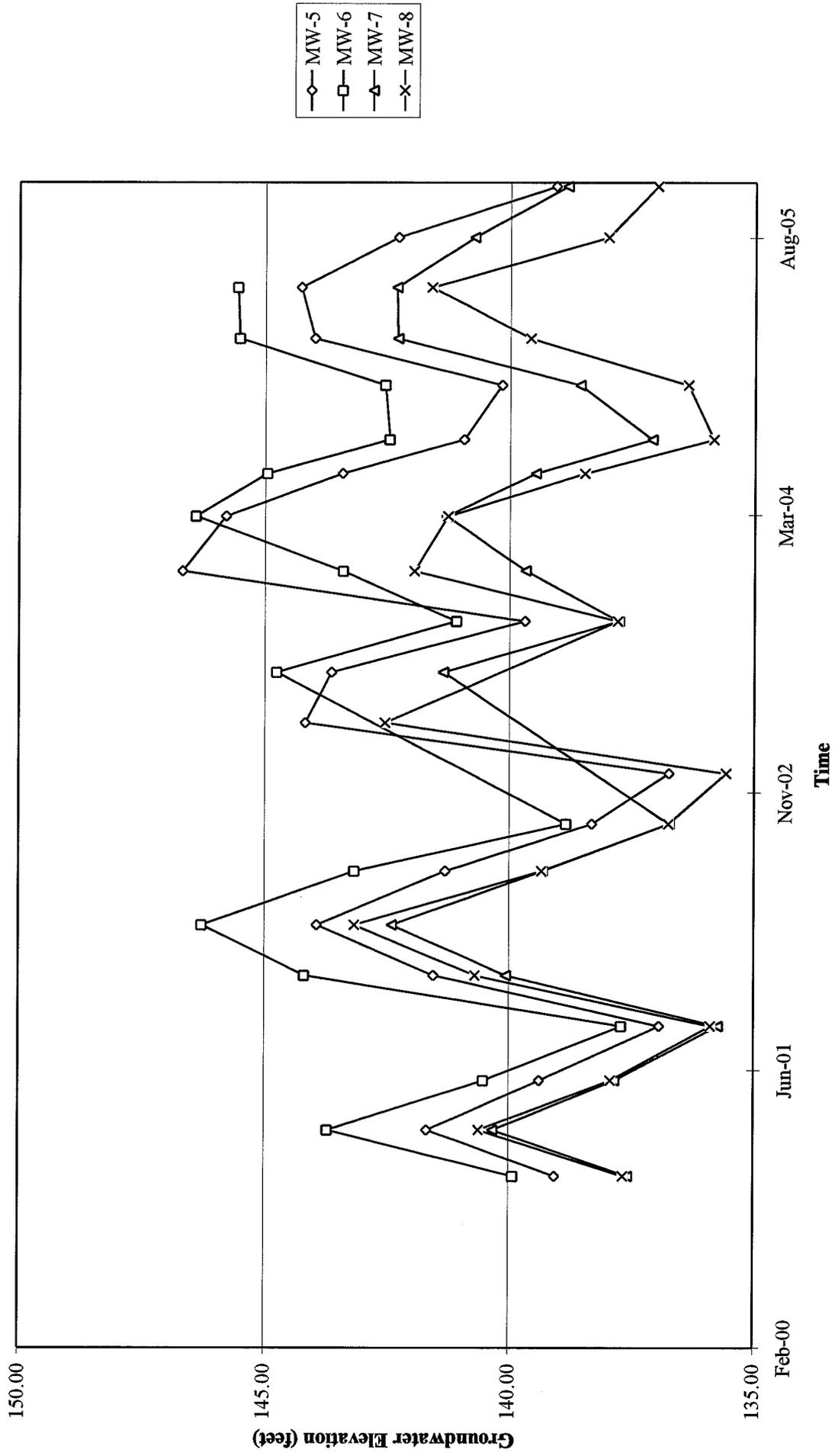
PS=1:1 01106-003

GRAPHS

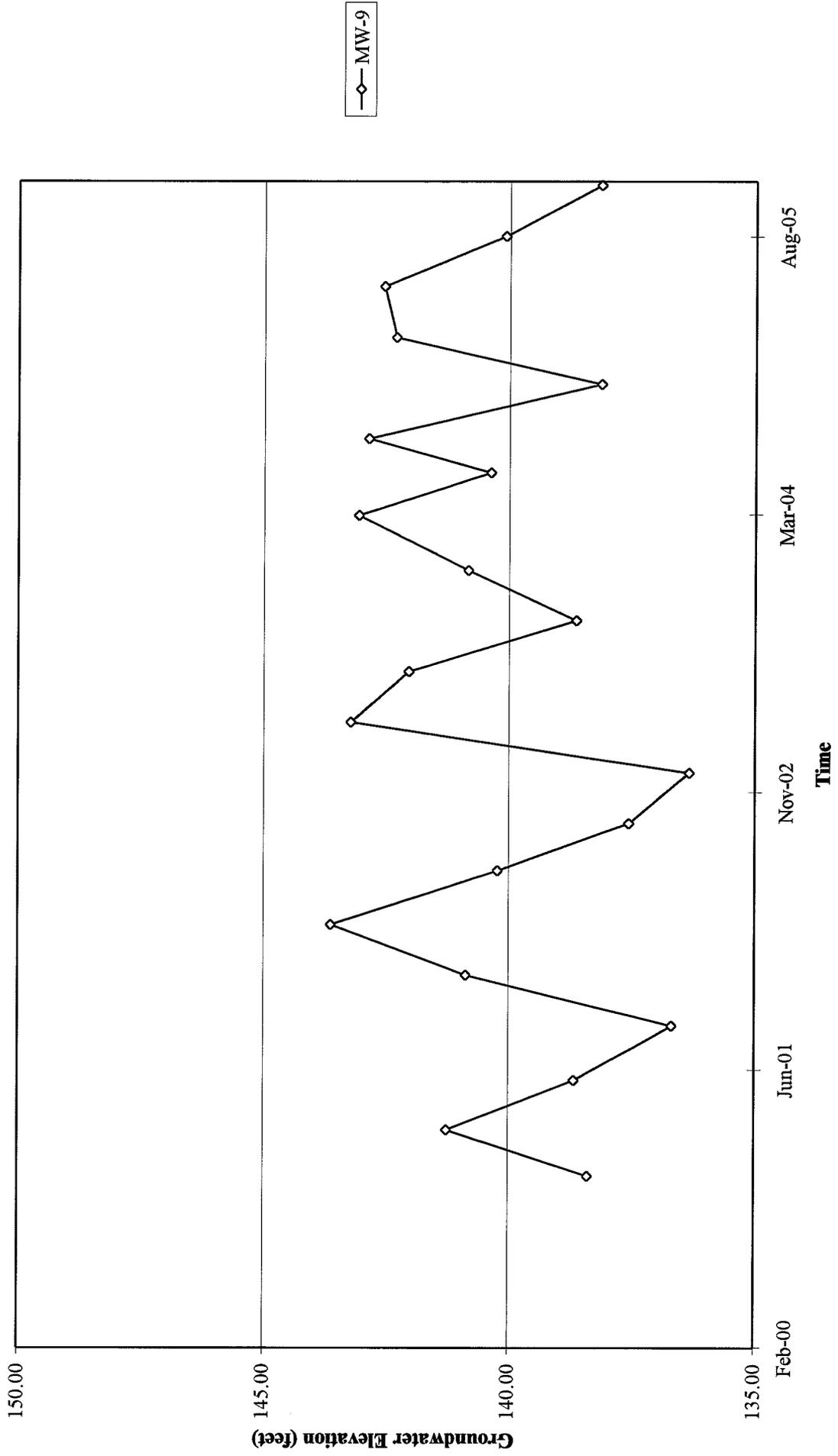
Groundwater Elevations vs. Time
Former Circle K Store 01106



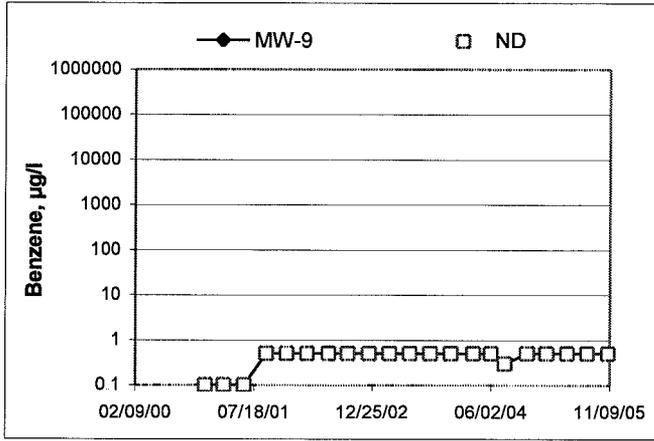
Groundwater Elevations vs. Time
Former Circle K Store 01106



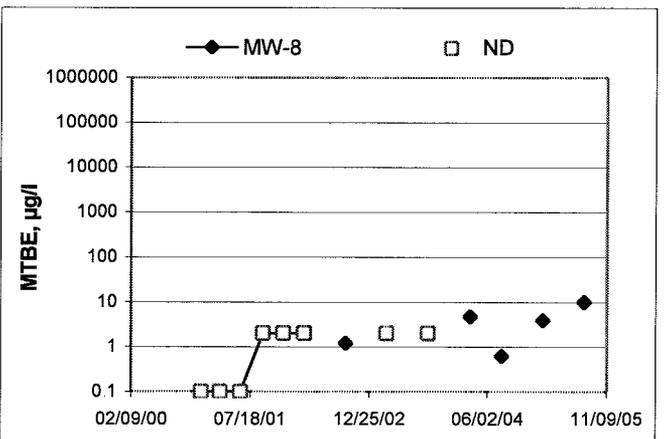
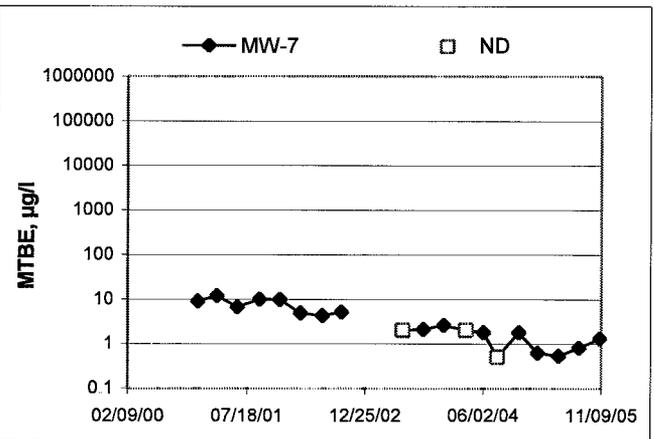
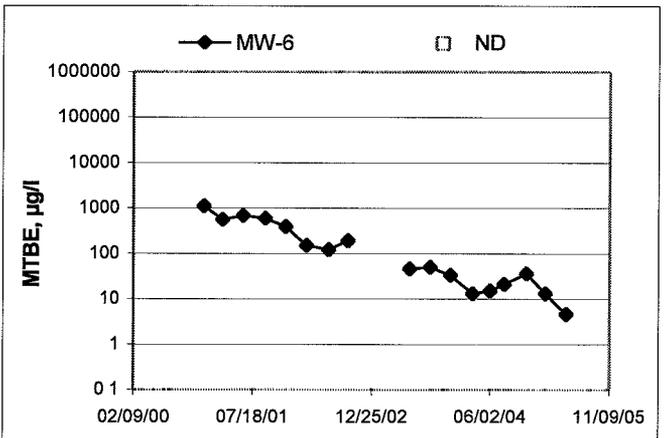
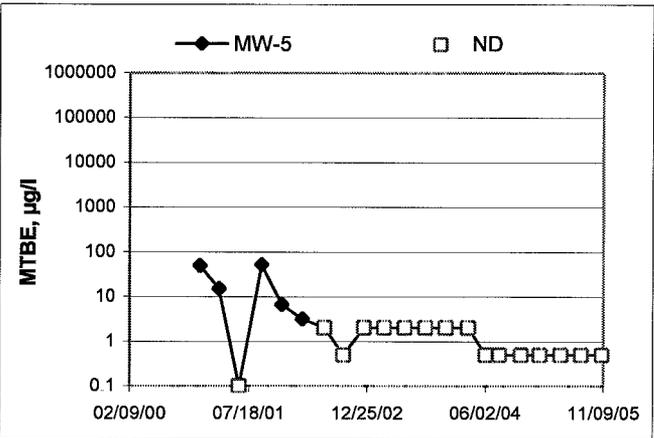
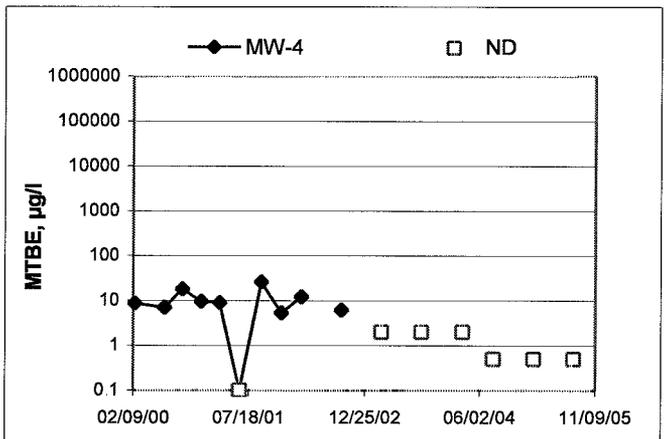
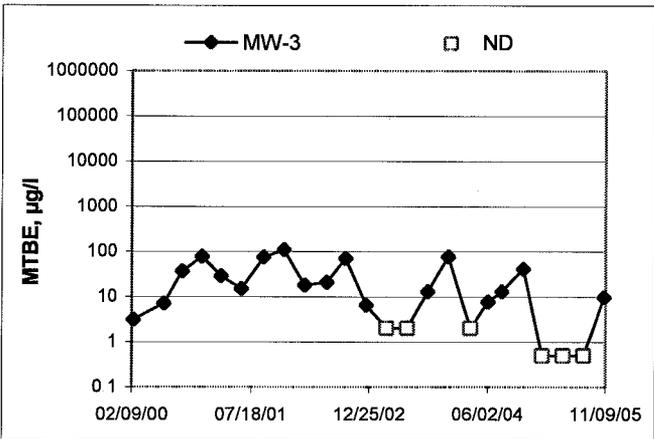
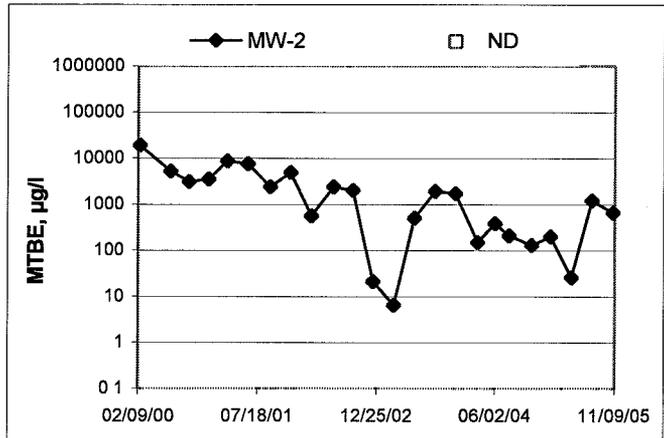
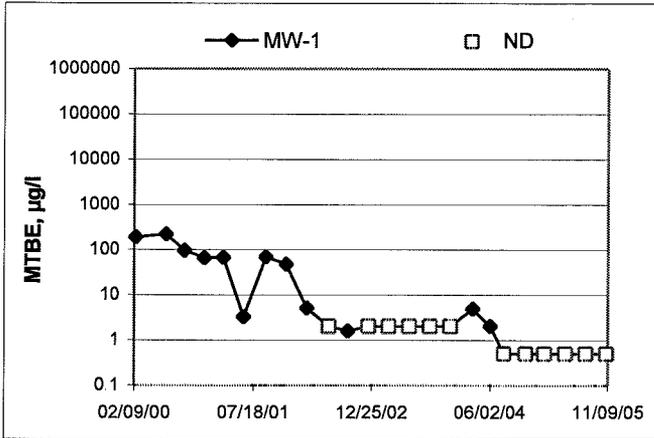
Groundwater Elevations vs. Time
Former Circle K Store 01106



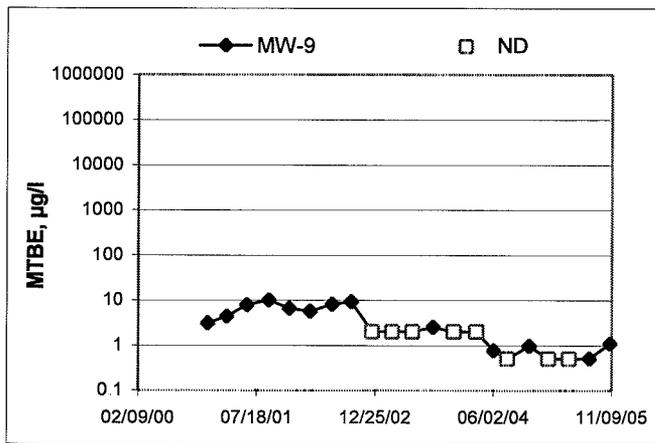
Benzene Concentrations vs Time
Former Circle K Store 01106



MTBE Concentrations vs Time
Former Circle K Store 01106



MTBE Concentrations vs Time
Former Circle K Store 01106



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular wells, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

GROUNDWATER SAMPLING FIELD NOTES

Technician: Melissa

Site: 01106

Project No.: 410500001

Date: 11-02-05

Well No.: MW-3

Purge Method: Dis

Depth to Water (feet): 9.69

Depth to Product (feet): —

Total Depth (feet): 16.87

LPH & Water Recovered (gallons): —

Water Column (feet): 7.20

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 11.13

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. °C)	pH	Turbidity	D.O. <i>Pre-Purge</i>
0544			1	189.705	14.2	5.75		1.54
			2	195.605	15.1	5.65		
	0545		3	197.605	15.2	6.16		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
11.12			3		0554			
Comments:								

Well No.: MW-5

Purge Method: Dis

Depth to Water (feet): 11.10

Depth to Product (feet): —

Total Depth (feet): 17.05

LPH & Water Recovered (gallons): —

Water Column (feet): 5.95

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 12.29

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. °C)	pH	Turbidity	D.O. <i>Pre-purge</i>
0555			1	188.905	14.9	5.75		1.18
			2	195.705	15.2	5.82		
	0554		3	214	15.1	5.86		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
12.21			3		0615			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Melissa

Site: 01106

Project No.: 41050001

Date: 11-02-05

Well No.: MW-9

Purge Method: Dis

Depth to Water (feet): 11.84

Depth to Product (feet): —

Total Depth (feet): 19.47

LPH & Water Recovered (gallons): —

Water Column (feet): 7.63

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 13.36

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F.°C)	pH	Turbidity	D.O. Pre-Purge
0613			1	455	13.3	6.21		1.00
			2	375	14.7	6.30		
	0614		3	357	15.6	6.28		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
11.87			3		0700			
Comments:								

Well No.: MW-7

Purge Method: Dis

Depth to Water (feet): 10.79

Depth to Product (feet): —

Total Depth (feet): 17.09

LPH & Water Recovered (gallons): —

Water Column (feet): 6.30

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 12.05

1 Well Volume (gallons): —

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F.°C)	pH	Turbidity	D.O. Pre-Purge
0605			1	387	14.5	5.81		1.10
			2	390	14.2	5.84		
	0606		3	393	14.1	6.00		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
11.97			3		0645			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Malissa

Site: 01106

Project No.: 41050001

Date: 11-02-05

Well No.: MW-1

Purge Method: Dis

Depth to Water (feet): 10.69

Depth to Product (feet): —

Total Depth (feet): 17.07

LPH & Water Recovered (gallons): —

Water Column (feet): 6.38

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 11.96

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.°C)	pH	Turbidity	D.O. Pre-Purge
0456			1	172.403	15.1	6.54		1.18
			2	161.603	15.0	6.39		
	0457		3	159.803	14.7	6.36		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
10.85			3					
Comments:								

Well No.: MW-2

Purge Method: Dis

Depth to Water (feet): 11.06

Depth to Product (feet): —

Total Depth (feet): 17.05

LPH & Water Recovered (gallons): —

Water Column (feet): 5.99

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 12.25

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.°C)	pH	Turbidity	D.O. Pre-Purge
0624			1	261	15.9	6.04		0.90
			2	287	15.9	6.02		
	0625		3	313	16.1	6.12		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
12.20			3		0715			
Comments:								

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 11-02-05 STATION NUMBER: 01106

NAME OF TECH: Melissa, Anthony CALLED GORDON: _____

CALLED PM: y NAME OF PM CALLED: A. Collins

WELL NUMBER: MW-6 STATEMENT FROM PM _____ OR TECH _____

Well patched over. Patch hardened
unable to purge and sample

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

TRC Alton Geoscience- Irvine

November 18, 2005

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001/FA20

Project: Conoco Phillips #01106

Site: 1693 Central Ave., McKinleyville

Attached is our report for your samples received on 11/03/2005 09:05

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/18/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/02/2005 05:10	Water	1
MW-3	11/02/2005 05:54	Water	2
MW-5	11/02/2005 06:15	Water	3
MW-9	11/02/2005 07:00	Water	4
MW-7	11/02/2005 06:45	Water	5
MW-2	11/02/2005 07:15	Water	6

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

11/09/2005 11:51

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

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21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-1	Lab ID: 2005-11-0040 - 1
Sampled: 11/02/2005 05:10	Extracted: 11/3/2005 15:20
Matrix: Water	QC Batch#: 2005/11/03-1C.64
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/03/2005 15:20	
Surrogate(s)						
1,2-Dichloroethane-d4	113.6	73-130	%	1.00	11/03/2005 15:20	
Toluene-d8	106.8	81-114	%	1.00	11/03/2005 15:20	

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Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-3	Lab ID: 2005-11-0040 - 2
Sampled: 11/02/2005 05:54	Extracted: 11/3/2005 15:41
Matrix: Water	QC Batch#: 2005/11/03-1C.64
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	9.7	0.50	ug/L	1.00	11/03/2005 15:41	
Surrogate(s)						
1,2-Dichloroethane-d4	108.8	73-130	%	1.00	11/03/2005 15:41	
Toluene-d8	108.3	81-114	%	1.00	11/03/2005 15:41	

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Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-5	Lab ID: 2005-11-0040 - 3
Sampled: 11/02/2005 06:15	Extracted: 11/3/2005 15:15
Matrix: Water	QC Batch#: 2005/11/03-1B.69
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/03/2005 15:15	
Surrogate(s)						
1,2-Dichloroethane-d4	112.6	73-130	%	1.00	11/03/2005 15:15	
Toluene-d8	91.0	81-114	%	1.00	11/03/2005 15:15	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-9	Lab ID: 2005-11-0040 - 4
Sampled: 11/02/2005 07:00	Extracted: 11/3/2005 15:37
Matrix: Water	QC Batch#: 2005/11/03-1B.69
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	1.1	0.50	ug/L	1.00	11/03/2005 15:37	
Surrogate(s)						
1,2-Dichloroethane-d4	113.7	73-130	%	1.00	11/03/2005 15:37	
Toluene-d8	92.3	81-114	%	1.00	11/03/2005 15:37	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-7	Lab ID: 2005-11-0040 - 5
Sampled: 11/02/2005 06:45	Extracted: 11/5/2005 18:27
Matrix: Water	QC Batch#: 2005/11/05-1E.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	1.3	0.50	ug/L	1.00	11/05/2005 18:27	
Surrogate(s)						
1,2-Dichloroethane-d4	118.5	73-130	%	1.00	11/05/2005 18:27	
Toluene-d8	109.3	81-114	%	1.00	11/05/2005 18:27	

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Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-2	Lab ID: 2005-11-0040 - 6
Sampled: 11/02/2005 07:15	Extracted: 11/4/2005 09:32
Matrix: Water	QC Batch#: 2005/11/04-1B.71
Analysis Flag: L2, pH: <2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	660	2.5	ug/L	5.00	11/04/2005 09:32	
Surrogate(s)						
1,2-Dichloroethane-d4	91.9	73-130	%	5.00	11/04/2005 09:32	
Toluene-d8	103.7	81-114	%	5.00	11/04/2005 09:32	

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260B	
Method Blank				QC Batch # 2005/11/03-1B.69	
MB: 2005/11/03-1B.69-026				Date Extracted: 11/03/2005 07:26	
Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/03/2005 07:26	
Surrogates(s)					
1,2-Dichloroethane-d4	100.0	73-130	%	11/03/2005 07:26	
Toluene-d8	94.6	81-114	%	11/03/2005 07:26	

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Gas/BTEX Fuel Oxygenates by 8260B

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21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260B	
Method Blank				QC Batch # 2005/11/03-1C.64	
MB: 2005/11/03-1C.64-021				Date Extracted: 11/03/2005 07:21	
Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/03/2005 07:21	
Surrogates(s)					
1,2-Dichloroethane-d4	106.0	73-130	%	11/03/2005 07:21	
Toluene-d8	107.0	81-114	%	11/03/2005 07:21	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report					
Prep(s): 5030B Method Blank MB: 2005/11/04-1B.71-037			Test(s): 8260B QC Batch # 2005/11/04-1B.71 Date Extracted: 11/04/2005 07:37		
Water					
Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/04/2005 07:37	
Surrogates(s)					
1,2-Dichloroethane-d4	108.0	73-130	%	11/04/2005 07:37	
Toluene-d8	108.4	81-114	%	11/04/2005 07:37	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report					
Prep(s): 5030B			Test(s): 8260B		
Method Blank			Water		
MB: 2005/11/05-1E.66-015			QC Batch # 2005/11/05-1E.66		
			Date Extracted: 11/05/2005 15:15		
Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/05/2005 15:15	
Surrogates(s)					
1,2-Dichloroethane-d4	112.6	73-130	%	11/05/2005 15:15	
Toluene-d8	108.2	81-114	%	11/05/2005 15:15	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report										
Prep(s): 5030B					Test(s): 8260B					
Laboratory Control Spike			Water			QC Batch # 2005/11/03-1B.69				
LCS	2005/11/03-1B.69-044		Extracted: 11/03/2005			Analyzed: 11/03/2005 06:44				
LCSD	2005/11/03-1B.69-005		Extracted: 11/03/2005			Analyzed: 11/03/2005 07:05				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	27.5	28.0	25	110.0	112.0	1.8	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	471	470	500	94.2	94.0		73-130			
Toluene-d8	480	487	500	96.0	97.4		81-114			

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Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
Laboratory Control Spike		Water	
QC Batch # 2005/11/03-1C.64			
LCS	2005/11/03-1C.64-039	Extracted: 11/03/2005	Analyzed: 11/03/2005 06:39
LCSD	2005/11/03-1C.64-000	Extracted: 11/03/2005	Analyzed: 11/03/2005 07:00

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.2	22.0	25	88.8	88.0	0.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	476	474	500	95.2	94.8		73-130			
Toluene-d8	556	548	500	111.2	109.6		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2005/11/04-1B.71			
LCS	2005/11/04-1B.71-043		Extracted: 11/04/2005			Analyzed: 11/04/2005 06:43			
LCSD	2005/11/04-1B.71-010		Extracted: 11/04/2005			Analyzed: 11/04/2005 07:10			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.5	22.7	25	90.0	90.8	0.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	498	485	500	99.6	97.0		73-130			
Toluene-d8	551	546	500	110.2	109.2		81-114			

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2005/11/05-1E.66			
LCS	2005/11/05-1E.66-025		Extracted: 11/05/2005			Analyzed: 11/05/2005 14:25			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.8		25	99.2			65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	512		500	102.4			73-130			
Toluene-d8	557		500	111.4			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Matrix Spike (MS / MSD)	Water		QC Batch # 2005/11/03-1B.69
MS/MSD			Lab ID: 2005-11-0014 - 042
MS: 2005/11/03-1B.69-035	Extracted: 11/03/2005		Analyzed: 11/03/2005 09:35
			Dilution: 1.00
MSD: 2005/11/03-1B.69-056	Extracted: 11/03/2005		Analyzed: 11/03/2005 09:56
			Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	45.4	50.6	12.4	25	132.0	152.8	14.6	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	527	573		500	105.4	114.6		73-130			
Toluene-d8	484	489		500	96.8	97.8		81-114			

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11/09/2005 11:51

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

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21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Matrix Spike (MS / MSD)	Water		QC Batch # 2005/11/03-1C.64
MS/MSD			Lab ID: 2005-11-0014 - 027
MS: 2005/11/03-1C.64-012	Extracted: 11/03/2005		Analyzed: 11/03/2005 12:12
			Dilution: 1.00
MSD: 2005/11/03-1C.64-033	Extracted: 11/03/2005		Analyzed: 11/03/2005 12:33
			Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	26.4	23.3	0.888	25	102.0	89.6	12.9	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	552	530		500	110.4	106.0		73-130			
Toluene-d8	549	544		500	109.8	108.8		81-114			

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Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report			
Prep(s):	5030B	Test(s):	8260B
Matrix Spike (MS / MSD)		Water	QC Batch # 2005/11/04-1B.71
MW-2 >> MS		Lab ID:	2005-11-0040 - 006
MS: 2005/11/04-1B.71-059	Extracted: 11/04/2005	Analyzed:	11/04/2005 09:59
		Dilution:	5.00
MSD: 2005/11/04-1B.71-026	Extracted: 11/04/2005	Analyzed:	11/04/2005 10:26
		Dilution:	5.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	780	783	664	125	92.8	95.2	2.6	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	477	495		500	95.4	99.0		73-130			
Toluene-d8	557	566		500	111.4	113.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001/FA20

Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Matrix Spike (MS / MSD)	Water	QC Batch # 2005/11/05-1E.66	
MS/MSD		Lab ID:	2005-11-0059 - 001
MS: 2005/11/05-1E.66-042	Extracted: 11/05/2005	Analyzed:	11/05/2005 15:42
		Dilution:	5.00
MSD: 2005/11/05-1E.66-010	Extracted: 11/05/2005	Analyzed:	11/05/2005 16:10
		Dilution:	5.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	131	128	15.9	125	92.1	89.7	2.6	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	558	552		500	111.6	110.4		73-130			
Toluene-d8	555	549		500	111.0	109.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Misc Anions by Ion Chromatograph

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Conoco Phillips #01106

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/02/2005 05:10	Water	1
MW-3	11/02/2005 05:54	Water	2
MW-5	11/02/2005 06:15	Water	3
MW-9	11/02/2005 07:00	Water	4
MW-7	11/02/2005 06:45	Water	5
MW-2	11/02/2005 07:15	Water	6

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Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-1	Lab ID:	2005-11-0040 - 1
Sampled:	11/02/2005 05:10	Extracted:	11/3/2005 20:16
Matrix:	Water	QC Batch#:	2005/11/03-00.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	26	1.0	mg/L	5.00	11/03/2005 20:16	
Sulfate	15	2.0	mg/L	5.00	11/03/2005 20:16	

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Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-3	Lab ID: 2005-11-0040 - 2
Sampled: 11/02/2005 05:54	Extracted: 11/3/2005 20:31
Matrix: Water	QC Batch#: 2005/11/03-00.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	37	1.0	mg/L	5.00	11/03/2005 20:31	
Sulfate	9.1	2.0	mg/L	5.00	11/03/2005 20:31	

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21 Technology Drive

Irvine, CA 92718

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Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-5	Lab ID:	2005-11-0040 - 3
Sampled:	11/02/2005 06:15	Extracted:	11/3/2005 20:47
Matrix:	Water	QC Batch#:	2005/11/03-00.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	34	1.0	mg/L	5.00	11/03/2005 20:47	
Sulfate	6.6	2.0	mg/L	5.00	11/03/2005 20:47	

Misc Anions by Ion Chromatograph

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Conoco Phillips #01106

Received: 11/03/2005 09:05

Site: 1693 Central Ave., McKinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-9	Lab ID:	2005-11-0040 - 4
Sampled:	11/02/2005 07:00	Extracted:	11/3/2005 21:02
Matrix:	Water	QC Batch#:	2005/11/03-00.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	6.8	1.0	mg/L	5.00	11/03/2005 21:02	
Sulfate	28	2.0	mg/L	5.00	11/03/2005 21:02	

Misc Anions by Ion Chromatograph

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Phone: (949) 341-7440 Fax: (949) 753-0111
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Site: 1693 Central Ave., McKinleyville

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-7	Lab ID: 2005-11-0040 - 5
Sampled: 11/02/2005 06:45	Extracted: 11/3/2005 21:18
Matrix: Water	QC Batch#: 2005/11/03-00.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	5.00	11/03/2005 21:18	
Sulfate	160	2.0	mg/L	5.00	11/03/2005 21:18	

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21 Technology Drive

Irvine, CA 92718

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Site: 1693 Central Ave., McKinleyville

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-2	Lab ID: 2005-11-0040 - 6
Sampled: 11/02/2005 07:15	Extracted: 11/3/2005 21:33
Matrix: Water	QC Batch#: 2005/11/03-00.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	5.3	1.0	mg/L	5.00	11/03/2005 21:33	
Sulfate	12	2.0	mg/L	5.00	11/03/2005 21:33	

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Batch QC Report					
Prep(s): 300.0/9056				Test(s): 300.0/9056	
Method Blank	Water			QC Batch # 2005/11/03-00.41	
MB: 2005/11/03-00.41-001				Date Extracted: 11/03/2005 19:29	

Compound	Conc.	RL	Unit	Analyzed	Flag
Nitrate	ND	1	mg/L	11/03/2005 19:29	
Sulfate	ND	2	mg/L	11/03/2005 19:29	

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Attn.: Anju Farfan

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Phone: (949) 341-7440 Fax: (949) 753-0111
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Batch QC Report										
Prep(s): 300.0/9056					Test(s): 300.0/9056					
Laboratory Control Spike			Water			QC Batch # 2005/11/03-00.41				
LCS	2005/11/03-00.41-002		Extracted: 11/03/2005			Analyzed: 11/03/2005 19:45				
LCSD	2005/11/03-00.41-003		Extracted: 11/03/2005			Analyzed: 11/03/2005 20:00				
Compound	Conc. mg/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Nitrate	133	132	133.5	99.6	98.9	0.7	80-120	20		
Sulfate	148	147	150	98.7	98.0	0.7	80-120	20		

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Attn.: Anju Farfan

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Batch QC Report			
Prep(s): 300.0/9056	Test(s): 300.0/9056		
Matrix Spike (MS / MSD)	Water	QC Batch # 2005/11/03-00.41	
MW-2 >> MS	Lab ID: 2005-11-0040 - 006	Analyzed: 11/03/2005 21:49	
MS: 2005/11/03-00.41-004	Extracted: 11/03/2005	Dilution: 5.00	Analyzed: 11/03/2005 20:04
MSD: 2005/11/03-00.41-005	Extracted: 11/03/2005	Dilution: 5.00	

Compound	Conc. mg/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		mg/L	MS	MSD	RPD	Rec.	RPD	MS
Nitrate	139	139	5.26	133.5	100.2	100.2	0.0	80-120	20		
Sulfate	160	160	12.4	150	98.4	98.4	0.0	80-120	20		

Metals

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21 Technology Drive

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/02/2005 05:10	Water	1
MW-3	11/02/2005 05:54	Water	2
MW-5	11/02/2005 06:15	Water	3
MW-9	11/02/2005 07:00	Water	4
MW-7	11/02/2005 06:45	Water	5
MW-2	11/02/2005 07:15	Water	6

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